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BUY U. S. WAR BONDS

WALLACES' FARMER AND Iowa Homestead

Good Farming Clear Thinking Right Living

Fix Cribs To Dry Corn

CORN fields still had roasting ears in the first week of September. With either early or late frost, there is almost certain to be a lot of high moisture corn at husking time.

The chances are about two out of five, according to the weather history of the last 45 years, that frost will come between September 20 and 30. The average time is the first week in October. In one year out of 22, killing frost has been delayed until November.

A bad break might mean a year as bad as 1924, when 67 per cent of the corn in Iowa was soft. Or we might have soft corn making up one-half to two-thirds of the crop, as in 1915 and 1917. With frost holding off until late October, we might have a normal year, with only 5 or 10 per cent soft corn.

It is probable that farmers will be faced with two problems: (1) How to handle soft corn containing anywhere from 30 to 50 per cent moisture; (2) how to handle high moisture corn that is too wet to keep in the crib, but can be dried down to safe moisture contents.

The definitely soft corn can be handled in any one of three ways: (1) Feed the corn in the fall or winter; (2) leave the corn in the field until spring, and (3) put the soft corn in the silo.

Corn with 25 to 30 per cent moisture might be dried in specially constructed cribs, or in regular cribs equipped with ventilators and fans to force the air thru the corn. Corn with 20 to 25 per cent moisture may keep with natural air movement thru ventilated cribs.

E. A. Ellison, field representative of the Grain Branch of the USDA Production and Marketing Administration, sees a chance that a lot of grain drying in cribs with fans, furnaces and air ducts may be necessary this fall.

"Seed corn companies have demonstrated that ear corn can be dried in the cribs," Ellison said. "But the problem is to make it practical for the farmer." He said that the farmer must be able to get fans to blow the air, furnaces to heat the air, and the whole venture must not cost too much money.

Special equipment to dry the corn with a forced draft of hot air would give best results, but such equipment will be in big demand and some will have to use homemade substitutes. Ellison suggests that farmers might use some of their own equipment to blow air thru corn. Threshing machine blowers might furnish the air pressure and tractors the power.

Heating air—necessary to speed the process—probably could be managed only with difficulty by homemade outfits. Ellison expressed the hope that enough manufactured material would be ready in time to provide burners for corn drying.

Cribs of corn to be dried by forced air should have air ducts open at one end and closed at the other. Distance from air duct escapes to edge of crib should be the same in all directions—to even the pressure and cause the air to pass thru all the corn.

Ellison says one corn drier might do the work for all members of a threshing ring.

(Continued on page 20)

Will This Corn Keep in the Crib?

"Yes" say the men in the picture, who found the corn sound and dry. But there will be lots of farmers who will have to look the 1945 crop over to decide that question.

SEPTEMBER 15, 1945

IOWA'S LEADING FARM NEWSPAPER

More and Better Things for More People

Every farmer has two main interests in his farm.

One is—how great will be the yield per acre?

The other is—what will be the character and quality of the crop or herd or flock?

And so, by fertilizing and cultivation, by careful soil analysis, seed selection, crop rotation, scientific stock breeding and all the methods proved by research and by his own experience—he bends every effort toward *more and better production.*

With the manufacturer it's the same story.

His factory and equipment are his "farm."

He, too, is concerned first and foremost with how productive it is and with improving the quality of its output.

He, too, looks to research for aid—and he, too, builds know-how out of experience.

Operating on identical principles, each in its own field, these two great industries serve each other and the people as a whole—the farm supplying food and raw materials, the factory providing manufactured goods.

The result is a great and essential "partnership," forever active in serving progress—always aimed at producing *more and better things for more people.*

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Des Moines, Iowa

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—Hence Low Rates on Life Insurance

YOU, as a farmer, are entitled to lower life insurance rates than the city man. Here is why: City mortality last year was 11 deaths out of 1,000. Iowa farm mortality was only 8½ per 1,000. That means fewer insurance claims to pay—savings passed on to YOU.

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We have low rate policies particularly designed to fit the needs of farm people. These policies and our low rates are fully explained in our free pamphlet (See coupon above). Ours is a legal reserve company, owned by Farm Bureau members, operated by farmers, for farmers. Over 26 millions of these preferred rate policies issued to Iowa farmers thus far this year. There must be a reason!

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See how much YOU can save on your auto insurance. Mail coupon above and compare our low rates with ordinary auto insurance costs. It can mean money in your pocket.

Tear Out the Coupon, Write Today; No Obligation

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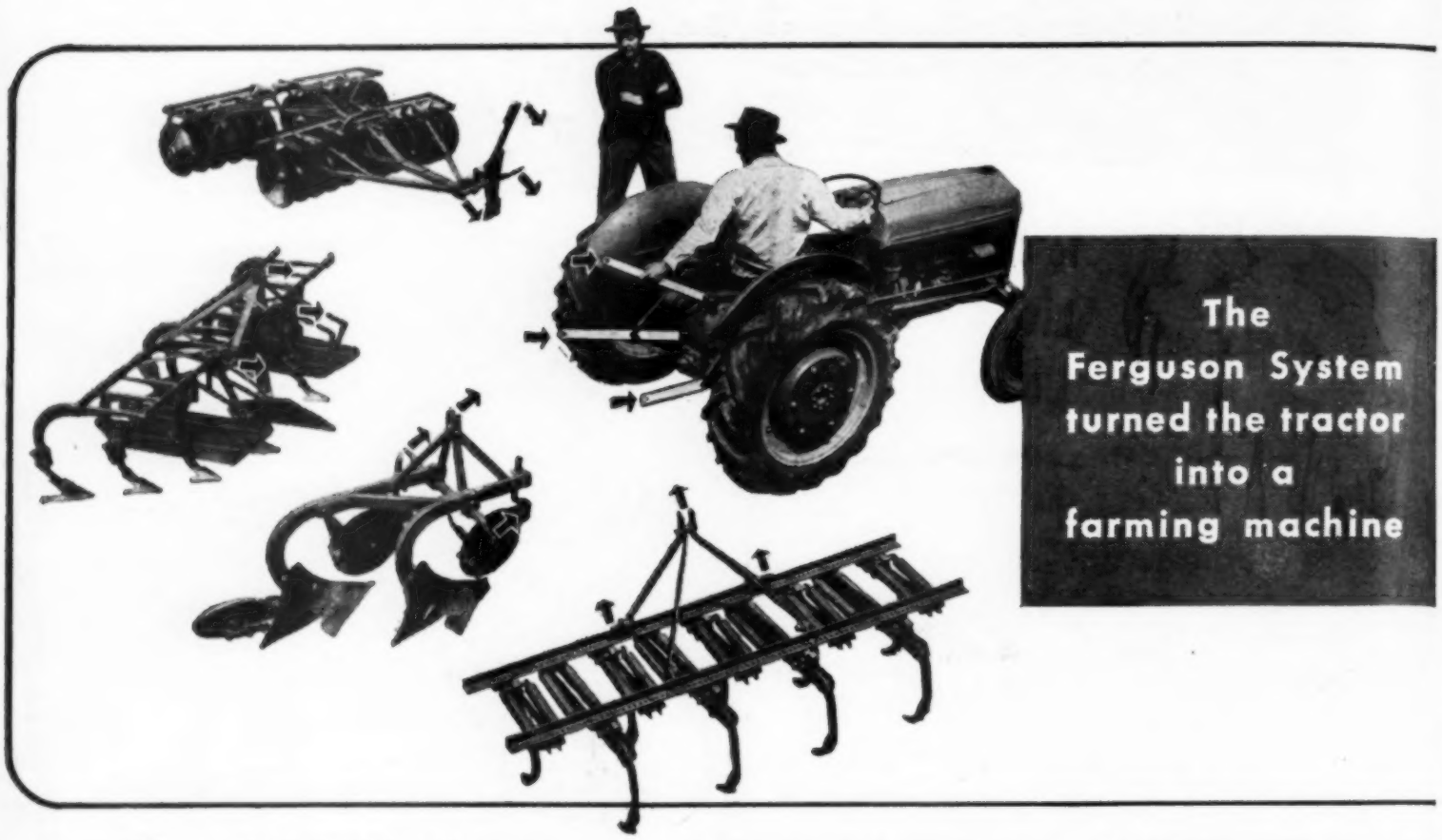


One of MANY advantages

. . . With the Ferguson System Each Attached Implement Becomes Self-Propelled and Automatically-Controlled

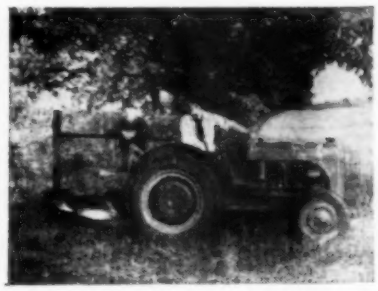
The Disc Harrow, Cultivator, Plow and Tiller, shown in the above picture, are implements in the modern sense. With the Ferguson System, each in its turn, when attached to the Ford-Ferguson Tractor, becomes a self-propelled and automatically-controlled implement.

It's easy to see how self-propelled and automatically-controlled implements get work done faster, and take the drudgery out of field work.

But that is only one of the many advantages of the Ferguson System. At the right are four more advantages which make the Ferguson System the outstanding news in every farming community.

See for yourself how you can do your farm work faster and easier. Follow up this one-minute demonstration on paper with a demonstration of the Ferguson System on your own farm.

1. Implements attach in 60 seconds or less! No need for wrenches, no nuts to tighten, no parts to lose.



2. Attached implements go backward as easily as forward! No "jackknifing"—no time lost in tight corners.

3. Finger tip control permits a child to do a strong man's work! No heavy levers, no ropes, no cables.

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Ford Tractor
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WALLACES' FARMER AND IOWA HOMESTEAD, September 15, 1945 (Volume 70, No. 18). Published first and third Saturdays of each month, by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, two years for One Dollar. Entered as second-class matter October 19, 1928, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1945, by the James M. Pierce Corporation.

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Protect Your Investment

IN HOGS, POULTRY

Have you ever figured how much money you have in each hog and chicken on the place? Careful records under average conditions show that you have approximately 94c tied up in each 5 lb. chicken—and $16.35 in each 150 lb. hog. That's real money! And now comes the PAYOFF season—when the care you give these pigs and chickens will determine whether you'll MAKE or LOSE on the investment you have in them. Here are some practical hints to help you make your investment really pay out—

POULTRY **HOGS**

SANITATION

"Fall clean" the laying house—scrub and disinfect building and equipment.

Provide ample litter; and keep it dry.

Thoroughly disinfect quarters and equipment before winter.

Fill spots around hog lot where water will stand; fence off manure pile.

HOUSING

Don't crowd layers; allow 4 sq. ft. for heavy breeds, 3½ for light breeds.

Be sure house provides intake of fresh air and outgo of foul air, without drafts.

Provide clean, dry, ventilated houses, free from drafts and dust.

Provide adequate bedding and keep it clean.

FEEDING

If using a growing mash, change to laying ration before housing. Be sure ration is balanced with proteins, minerals and vitamins. Also provide green feed, if possible.

Keep feed, oyster shell, grit and water before birds at all times.

Feed balanced rations, to save grain, get better gains. Provide plenty of fresh water.

Give hogs access to alfalfa or other legume hay in winter.

DISEASE

Don't house pullets with old hens (sell old hens). Cull periodically—get rid of slackers.

If sickness appears, get a prompt diagnosis.

Vaccinate against cholera.

Watch out for enteritis, flu, pneumonia. If sickness occurs, call your veterinarian.

This message is made possible through the cooperation of your local feed dealer.

FEED INSTITUTE OF IOWA

830 Liberty Bldg. DES MOINES

Back to School This is the way Frank Vignaroli, Jim and Tommy Turner get to school in Dallas county, Iowa.

INSIDE STUFF

"FOLKS IN EUROPE have been glad to get dried eggs, dried milk and things like that when they came free, thru lend-lease. What will they buy now they have to put up the cash, or their notes?"

▲▲

OUR VISITOR from overseas answered promptly. "Chocolate, coffee, cheap vegetable oils," he answered. "We don't raise any of them."

▲▲

UNRRA, he thought, should give dried eggs, dried milk, in relief programs. He didn't think any nation would buy such goods in quantity.

▲▲

"WHAT ABOUT CHEESE?" It might continue to sell. And meat? Not much, at current prices. The folks overseas will tighten their belts.

▲▲

FOR MOST of the summer, I've been driving along country roads by wet, weedy corn fields, and pastures green—at least with weeds. But when I turned into southeastern Iowa and northeastern Missouri recently, again I came into what we used to think was standard August weather.

▲▲

PASTURES in Lee county, Iowa, were short and dry. Some corn on thin hills was firing. Down in Missouri, some corn on sandy bottoms was having trouble, and there was corn on hard-pan hills that was fired half-way up the stalk.

▲▲

SOYBEANS were standing up under hot, dry weather much better than corn. While northern Iowa figures on soybean yields only about one-third as big as the bushel yield in corn, I saw many neighboring fields in northeastern Missouri where the beans seemed likely to yield two-thirds as much in bushels as the corn.

▲▲

YOUR GRANDFATHER or great-grandfather, if he lived along the lower Des Moines river, probably drove his hogs to Alexandria, Mo. Back in 1870, 42,000 hogs were butchered there. Men who had driven hogs 100 miles probably relaxed when they got to Alexandria with a roar you could hear clear to Keokuk.

▲▲

YOUR GRANDFATHER would not know Alexandria now. It has a population of 600. The new levee has swallowed up the old steamboat landing. A fine old brick house, with double chimneys, down by the waterfront, is the only sign of the town's past greatness. There is a day-mark by the water's edge, to guide the steamboats, but no boats stop here any more.

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BEAUTIFUL JERSEY cattle by the hundred are—next to the river itself—the finest sight on the road from Alexandria, thru Palmyra, to Hannibal. Hannibal, you remember, was Mark Twain's home town. He was raised there when Hannibal, now 20,000, was no larger than Alexandria is now.

▲▲

THE LITTLE HOUSE where Mark was raised is still there, a low-ceilinged two-story house, with rooms too small to swing a cat in, and the upstairs bedroom (on the hill side) so near the ground that Tom Sawyer wouldn't have had to shinny down the rain spout.

▲▲

SOMEBODY had spilled a barrel of tar outside the door on the day we were there, and a black, sticky mass was oozing down the hill. We wondered what Tom and Huck would have done with that tar. Several horrible ideas occurred to us. But, fortunately, there seemed to be no boys of the right age around.

▲▲

SOME OF MISSOURI'S real town names (Cherry Box, Novelty, etc.) remind me of the way in which Joseph Henry Jackson, of San Francisco, combines imaginary town names and state abbreviations. How do you like Shapeless, Mass.; Goodness, Me.; Deathly, Ill.; Coco, Colo.; Either, Ore., and Farmerina, Del.?

▲▲

AS I CAME BACK into Iowa, the heat wave came along with me. On our own place, the pasture was drying up and our one cow was bellowing with irritation at flies, heat and dry grass. The nation will save a lot of milk whenever the new fly sprays give dairy herds 24-hour protection against flies.

▲▲

ALONG THE ROAD, I kept asking what folks were going to do if corn didn't get dry. It looks as if there might be some feeder pigs for sale in those sections this fall if the frost doesn't hold off.

DONALD R. MURPHY.

Annual Fall
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ALL SOLD ON MONEY-BACK GUARANTEE

Editorials

End of Lend-Lease Hits Farm Income

LEND-LEASE was chopped off too quick. That fact probably dawned on President Truman a few hours after the announcement was made. It took longer to get across to the rest of us.

Lend-lease was a weapon of war, and the war isn't over for millions of American soldiers and sailors still in uniform. The war isn't over for battle-torn nations trying to get back into peace-time condition.

The abrupt ending of lend-lease may delay and complicate the clean-up job in the Pacific. It may invite revolution and disaster in Europe. It may keep American troops on duty abroad longer than would have otherwise been necessary.

Also, the abrupt ending of lend-lease may cause a lot of trouble to American farmers. In June, for instance, about 1,319,504,671 pounds of American farm products were purchased for export under lend-lease.

Dairy and poultry products (dried eggs, cheese, dried milk, etc.) alone came to 157,363,141 pounds for that one month.

If congress follows President Truman's recommendation and authorizes nearly two billion dollars for UNRRA, farm exports may remain strong for a while. UNRRA, as most farmers remember, is the international relief agency to which allied nations contribute. Its expenditures run pretty heavily to food.

Farmers generally have had the comfortable feeling that even if domestic demand fell off, Europe would take all the food we have to spare.

Now that comfortable feeling is shattered. With lend-lease gone, food exports to Europe at best may dwindle much faster than we had figured.

A most pressing job of congress now is to see that food exports are kept going overseas in quantity, for a while at least. Liberal loans abroad can help. So can UNRRA appropriations. But food must be sent. It's a cheap way to buy peace, to bring our boys home sooner, to get European industry re-established.

It is also one of the ways to keep farm income up in the post-war period. You can't throw farm exports out the window without the risk of letting hard times in at the door.

Improve Livestock Judging

REMEMBER the days when we used to pick prize corn on its looks? Are we still using corn show standards for livestock?

The big livestock fairs have been a war casualty. We wait until the end of hostilities to see the cows and bulls parade in the tan bark at the Iowa State Fair, the Chicago International, the Kansas City Royal, the Dairy Cattle Congress, and a dozen other shows.

While we are waiting for the fairs to start again, it might be a good time to modernize stock judging.

In the dairy field, which physical traits have been found to be associated with high milk production? There has been a good deal of experimental work along this line, but have the score-cards for dairy judging been properly revised to match the results of these experiments?

Do hog score-cards match the results of cut-out tests at packing plants? Are we sure that we are judging steers on foot so that No. 1 in the ring will also be No. 1 carcass in the cooling room?

Purebred men have been thinking along these lines, and have made some progress, particularly in the dairy field. In hogs, men like Rollie Pemberton have tied in carcass cut-out demonstrations with the judging of the live animal.

Yet we are still a long way from making livestock shows match the standards developed by corn yield contests. There are still some show standards in livestock that have little or no relation to productive capacity.

This may be a good time to repair these defects. Why not get ready now to start livestock judging on a sounder basis when the fairs begin again in 1946?

HOW TO SELL MORE PORK

If there is full employment after the war, the average person will eat 96 pounds of pork products a year, compared with 67 pounds in the years of unemployment before the war.

He will eat 25 pounds of chicken, as compared with 18 pounds — and 75 pounds of oranges, as compared with 49 pounds.

He may not consume quite as much wheat and potatoes, but he will consume about 38 per cent more canned vegetables, 12 per cent more dairy products and 17 per cent more eggs.

Contrariwise, 10 million post-war unemployed would cut the net income of the average farmer in half.

The price of pork products, for example, would be cut in half—or else production would have to be reduced by about 40 per cent.

Fifteen million post-war unemployed would mean a cut in net agricultural income to about one-fourth of what it was in 1944.—Henry A. Wallace in "Sixty Million Jobs."

How Much Does Home Baking Save?

WHEN you pay a dollar for fresh bakery products, where does the money go? The farmer gets 6.7 cents out of the dollar for his wheat, and the miller gets 32 cents for processing.

Almost all the rest goes for baking, selling, delivering, etc. With door-to-door deliveries of bread, for instance, it takes 37.7 cents out of every dollar to pay the selling and delivery bill.

Farm women who bake their own bread, rolls, pies, etc., save a good many cents on every dollar. And the family has better food to eat.

Nobody, except farm cooks, uses enough good lard in pie crust these days. And it takes homemade bread to keep folks working in threshing and corn husking time.

Don't Pay Too Much For Feeders

WHEN corn belt feeders buy cattle this fall, they should remember that the market price may be very different when these cattle are shipped back.

Cattle headed for the January market, for instance, may run into peak receipts of hogs, heavy egg supplies, and unemployment of around six or eight million.

Danger signals for the corn belt feeder will be release of ceilings on beef cattle and ending of beef rationing, or heavy reduction of beef points. If these things come along, packers will be buying light-weight stuff to be slaughtered, and feeder prices will stay high.

Remember what hit farmers who bought high-priced feeders in early 1920. That could happen again.

Men to Serve In Army of Occupation

WHERE do we find men for an army to occupy Germany and Japan until it is safe to leave them alone? Nobody likes the choices:

1. We can draft more men—some of them deferred during the war—for two years of service.

2. We can force men now in service to stay on for two years more.

3. We can quit and come home, withdraw our troops too soon, and risk losing the gains of a long, hard war.

While we are making up our minds as to which of these courses to follow, the army should start a vigorous campaign to recruit a volunteer army. But a great many changes will be needed in the army before many volunteers will sign up.

Get Yellow Butter the Year 'Round

EVERYBODY knows how the color of the cream and butter changes when the cows go out to pasture in the spring. Homemade butter that was almost white in winter changes to a violent yellow.

That change in color reflects—altho not exactly—the Vitamin A content of the butter.

Iowa butter runs as high as 14,000 units of Vitamin A in May; it rises to a peak of 19,881 units in July, and drops to 13,057 in December.

March is the low month, with only 8,931 units. This is about even with the 9,000 units that is standard for butter.

But suppose Iowa butter could be guaranteed to carry twice the ordinary Vitamin A content. Suppose it could be sold the year around with a load of 18,000 units. Would that help sales and Iowa dairy income?

How to do it is another question. We can't have pasture the year around. But if we had more legume hay, and cured it so the Vitamin A content wouldn't be lost, winter butter could hold up close to the summer level.

That's another post-war possibility for the dairyman. Better silage and better hay could keep the Vitamin A content high all the year.

Once Iowa dairymen learned that trick, they would probably be out to get legislation forbidding creameries to color butter. Now the creameries try to get a uniform color every month. But if Iowa dairymen could manage to turn out butter naturally yellow every month, there might be some point in seeing that artificial coloring matter wasn't permitted.

Butter with 18,000 units of Vitamin A would need no extra color. If coloring were forbidden, 18,000-unit butter would certainly stand out when the buyer looked over white (or soybean brown) oleomargarine and pale butter.

Changing From Tanks To Autos

HOW long will a man who makes tanks be out of a job (and eating less) until he gets a chance to make autos and trucks again?

Farmers, who live by selling food to city workers, would like to know.

The Committee for Industrial Development has been checking up on Detroit. Peak employment this year was 953,000, by 7,800 firms.

When reconversion is completed, these firms can hire 911,000 people. But it will take 18 months to complete reconversion. During this period, at least 286,000 workers will be out of jobs part of the time.

Unemployment insurance can help maintain worker buying power during these lay-offs. But there will be a drop in the amount of milk, butter and pork that can be sold in Detroit while reconversion is going on.

Odds *and* Ends

END of lend-lease was a kick in the face for farmers who are supplying processing plants for dried eggs, dried milk, condensed milk, cheese and a good many other farm products.

IF congress appropriates quickly and liberally for UNRRA, relief agency which helps feed distressed nations, the bad effect of the stoppage of lend-lease will be eased a lot.

WILL the farm boy and the industrial worker who were deferred for necessary war work now be asked to serve in the army so that men who have been in several years can come home?

NOW that the cold storage cavern out in Kansas is finally in operation, the government had better hold on to it. We may need it for surplus eggs next winter.

MORE than half the customers in a dozen county-seat restaurants — so an inquisitive traveler reports — are drinking milk for lunch these days. That's developing the home market!

MANY smart landlords these days are paving the feedyards. The fertilizer that goes back on the fields will pay the cost quickly.

ONE of the major losses of farming in war-time has been the growth of weeds. We'll have to start over again to get them under control.

"YOU can't take ceilings off farm stuff without taking ceilings off everything else," a farmer said the other day. "I want ceilings kept on everything I buy until production really picks up."

FIXING up fences is going to be one of the big post-war jobs on many farms. A lot of farmers, convinced of the value of pasture, are going to put up better fences than they've ever had before.

LET other counties that need hospitals follow the example of Madison county, Iowa, which late in August voted 3,406 to 188 to issue $100,000 in bonds for a county hospital. Gifts up to $55,000 have already been lined up to supplement the bond issue.

ONE reason folks don't buy more water systems and septic tanks, build extra rooms, etc., is that these things take time, work and bother, as well as money. It's easier to buy something that can be loaded on the truck and brought home in one piece.

SOME farmers hope corn will break thru the ceiling this fall if the crop is short. A lot of folks will be bullish on corn so long as there is danger of an early frost.

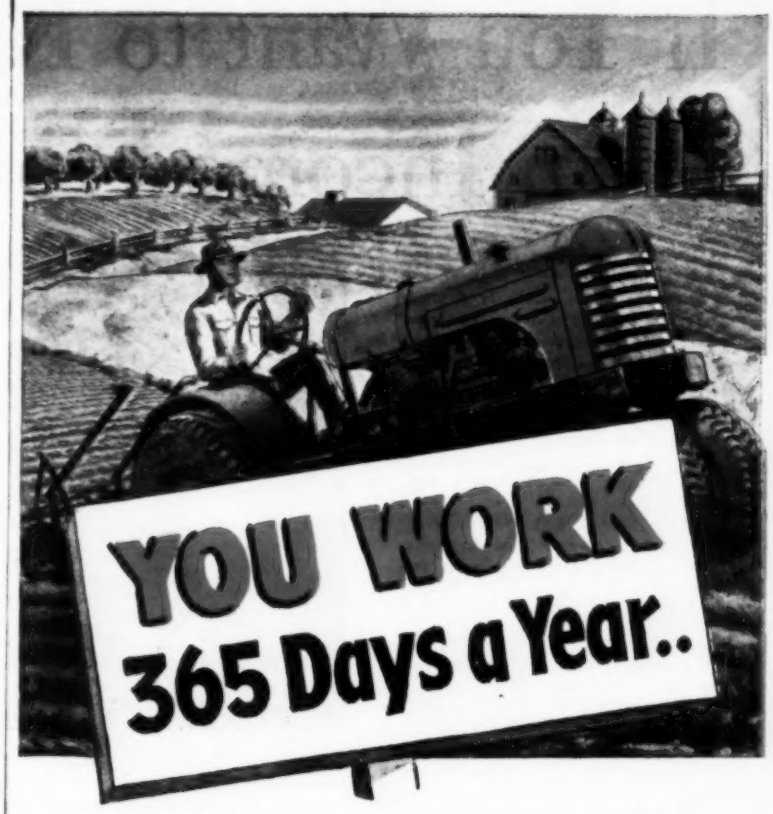
THE two-year Stegall period of support prices begins on January 1 following the "end of hostilities." If congress declares the "end of hostilities" after January 1, 1946, support prices could hold thru 1946, 1947 and 1948.

A GOOD chicken house on the farm often gets a choice tenant for the place. The tenant who wants a good hen house is often the kind who cuts weeds, keeps up the fences, etc.

Song of the Lazy Farmer

OF ALL the programs planned in vain, I guess it's this here rat campaign which many neighbor folks has joined because they say them rats purloined the precious corn and linseed meal we need to make our eggs and veal. They put up posters everywhere to make us raid the rodents' lair, and taught us how to fumigate and fix up traps and poisoned bait. They aim to plug up every vent with metal sheets or hard cement, and not let boards and rubbish lay for hungry rats to hide away. They want to rid the farm of nests which harbor hordes of lousy pests. They hope all rats will get their fill of this here strychnine or red squill.

But, as for me, I have more sense than tryin' to fight a few rodents, because my place has always been a sort of mixed up livestock den. The winter breezes drive them in to snuggle near my barley bin, but that's all gone, been fed to shoats, and so's my corn and smutty oats. All livestock from first frost to thaw which stay with me must chew on straw, and so the rats, pigs, hens and cows git nothing more than chaff to browse; and so them rats can rustle here and freeze to death for all I care. I won't use traps or terrier pup until the state puts bounty up, so when they preach campaigns to me, I just say, Rats! and let it be.



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919 North Michigan Avenue, Chicago, Illinois

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If You Want to Keep Farm Income Up

Henry Wallace Outlines Possibilities in His Book "Sixty Million Jobs"

During the war, we learned what happens to farm income when record numbers in the cities are employed at high wages. In spite of rationing, civilians ate more food in 1943 than ever before in history.

How can we provide enough productive jobs, at good pay, to keep folks eating as well in peace-time? Henry A. Wallace, in his new book, "Sixty Million Jobs" (Simon & Schuster, New York, $1), gives his suggestions. An extract from the book follows:

GOOD farmers everywhere want to produce to the limit of good land management. They know they must protect their soil fertility and prevent soil erosion. They know that it is wise from time to time to give the land a rest. But they love the feel of the dirt—and they want to make things grow.

From my grandfather, I learned at first hand what happened to the farmer after the Civil war—when farm prices swiftly and disastrously dropped 75 per cent.

And I quickly came to understand the effects of the excessive ups-and-downs of industry and the stock market upon farm prices and land values.

My first prediction was made in January, 1919, when I pointed to the danger signs ahead for agriculture—and set forth what I thought would happen if nothing were done.

Again, in 1921, I urged the farmers in Iowa to cut down their corn acreage because it was apparent that the European demand for corn and hog products shortly would be cut in half, and because rising unemployment in this country would limit the domestic market.

In such emergency periods—or when a foreign market for a farm product has disappeared as a result of a high tariff policy—the farmer has as much reason as his city cousin in the manufacturing business to limit production. But he still doesn't like to do so.

From my own experiences with farm groups in all parts of the country, I am certain that our farmers, with comparatively few exceptions, would prefer to cooperate with industry for all-out production of industrial and farm products rather than to cooperate among themselves to try to work out a scarcity program of agriculture to match a scarcity program of industry. Surely, the farmer knows the meaning of group interdependence. . . .

Wallace **"To win the peace, our sights must be set as high as they have been to win the war. . . . There were those who scoffed when Franklin Roosevelt, after Pearl Harbor, established the goal of 50,000 planes a year. It would be just as dangerous now to set our sights lower than 60 million post-war jobs."**

The Department of Agriculture has made a careful study of the relationship of full employment to increased consumption of farm products—showing that if there is full employment after the war, the average person will eat 96 pounds of pork products a year, as compared with 67 pounds in the years of unemployment before the war.

He will eat 25 pounds of chickens as compared with 18 pounds—and 75 pounds of oranges as compared with 49 pounds. He may not consume quite as much wheat and potatoes, but he will consume 38 per cent more canned vegetables, 12 per cent more dairy products, and 17 per cent more eggs.

Contrariwise, 10 million post-war unemployed would cut the net income of the average farmer in half. The price of pork products, for example, would be cut in half—or else production would have to be reduced by about 40 per cent.

Fifteen million post-war unemployed would mean a cut in net agricultural income to about one-fourth of what it was in 1944.

Farm labor, it's true, would be cheaper; for farm operators couldn't afford to pay decent wages, and the farm labor force would be increased by about a million farmers' sons and hired hands returning either from the armed services or from factory jobs that no longer existed.

But the farmer would find no profit in this cheaper labor; for wages and production and living costs in general would not fall as rapidly as would the prices of the farmer's products.

All of the foregoing does not mean, of course, that full employment would solve the farm problem in its entirety. There are also serious problems of getting the proper land use and of improving farm practices.

For many years, one-half of the nation's 6½ million farm families have been living on marginal and submarginal land and on farms too small to make a decent living. They have been producing only about 10 per cent of all the farm products sold in the market.

Full employment in the cities will provide job opportunities in industry for some of these subsistence families, particularly in the south.

The small cotton farmer and the cotton share-cropper, for example, can expect trouble ahead even if there is no unemployment whatsoever.

Full employment would increase the per capita consumption of cotton products by about 20 per cent; but that is far from being enough either to offset the loss in foreign markets due to the expanding production of cotton thruout the world, or to offset the competition that will come from rayon and other fibers at home.

For years to come, the south will have to face the continuing necessity of re-examining its position, and using the coordinating power of the federal government to adjust itself to changing world markets and to changed technologies. To a lesser extent, so will agriculture in the rest of the nation.

Even with full employment at present wage levels, there would still be around eight million city families getting less than $1,000 a year. These families would not be able to buy enough in the way of meat, eggs and dairy products either to raise healthy children or to maintain their own vigor at a high pitch for high-class work.

For an all-too-brief period right before the war, the Surplus Marketing Administration's food stamp plan remedied this situation somewhat by providing better food for those needing it, and markets for surplus farm produce.

But the food stamp plan was confined to a limited number of areas and to a few commodities—and it covered, in most instances, only those families certified for relief or to certain other case-worked families.

I recognize the administrative problems involved in extending this type of plan to all the lowest-income families all over the country on a permanent basis. Moreover, the administrative cost would be higher—inasmuch as the certifications under the stamp plan were all handled by relief and welfare agencies.

But I still believe the goal is of such importance that we should give immediate post-war consideration to finding the most feasible system to increase food consumption by the lowest-income families—using again, as the stamp plan did, the regular retail channels of distribution.

The farmer, if he is wise, will give his fullest support to every practical endeavor of this type, including the expansion of the school lunch and free or low-cost milk programs—just as he will support labor's full employment at high wages.

For the farmer prospers only as labor prospers. The lowest-income worker is just about as much a liability to the farmer as the unemployed worker.

Ordinarily, the agricultural population, with its higher birth rate, supplies workers to the cities. This is particularly true in prosperous years, when so many farm boys seek the better-paying jobs in Detroit, in Chicago, or in other industrial centers.

Consequently, when there is full employment in the cities, there will be from one to two million fewer people working on the farms than in bad years.

But, with 10 million unemployed in the cities—and with farm prices so low that farmers are faced with foreclosure—the farmer's burden is further increased by those who return from the city to seek relief and refuge on the land.

For the farmer—as for the business man and worker in the city—this is another disheartening cycle of hope and despair which full employment would bring to an end.

Sell More Meat **Even with rationing, American consumers ate much more meat per capita in 1943 than in the pre-war period. If consumers will keep buying meat at war-time rates, farmers don't need to worry about surpluses.**

FOOD STAMPS

"Even with full employment at present wage levels, there would still be around eight million city families getting less than $1,000 a year. These families would not be able to buy enough in the way of meat, eggs and dairy products either to raise healthy children or to maintain their own vigor at a high pitch for high-class work.

"We should give immediate consideration to finding the most feasible system to increase food consumption by the lowest income families—using again, as the stamp plan did, the regular retail channels of distribution.

"The farmer, if he is wise, will give his fullest support to every practical endeavor of this type, including the expansion of the school lunch and free or low-cost milk programs—just as he will support labor's employment at high wages."—Henry A. Wallace.

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SO WAIT FOR YOUR SKELLY TANK STATION SALESMAN OR DISTRIBUTOR

He will give you the complete details of this special SKELLY 1946 FARM RESERVE OFFER. It will relieve you of lubrication worries for 1946.

HELP YOUR EQUIPMENT SURVIVE ...BUY SKELLY *Fortified*

Demands on America's farmers for food production in 1946 will continue to be great! Yours is a tremendous responsibility. You must not let your farm equipment fail. Protect it with the best

of lubrication. Change motor oil . . . grease and oil it completely . . . more often than ever before.

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Cooper Has Second Gold Watch Bull

Artificial Insemination Groups Grabbed Nine Living Proved Bulls in '45 Sire Index Contest

CLINTON COOPER, dairyman, of O'Brien county, Iowa, gets another gold watch. Wallaces' Farmer and Iowa Homestead presented him with one last year because his bull won the sire index contest.

This year, another Cooper entry wins. The champion this time is Man-O-War Posch Veeman, a half-brother of last year's winner, Man-O-War Jewell Homestead Fobes.

For the first time in the history of the sire index contest, started in 1930, the same dairyman has come up with a winner for two years running. And, for the first time, two half-brothers have been contest winners.

Another new development in the sire index contest is the number of proved sires now being used by the artificial insemination associations.

Nine of the living proved bulls entered in the 1945 contest are owned or leased by such associations. The list includes last year's champion. This year's second-place winner is also being used for artificial insemination.

In earlier years, the older bulls whose excellence was proved in the sire index contest often did not get a chance to help many herds. Some were old, hard to handle, and needed unusual care in feeding and management to maintain vitality.

But, with the rise of artificial insemination associations, Iowa farmers are finally cashing in on the results of sire index contests.

The nine proved bulls used by breeding associations have a total of 95 daughter-dam pairs. The daughters averaged 473 pounds of butterfat and their dams produced an average of 394 pounds.

The sire index contest is conducted by the Extension Service of Iowa State College and sponsored by Wallaces' Farmer and Iowa Homestead, which has for 15 years presented each fall a gold watch to the owner of the bull with the highest index.

How is the winner determined? By comparing the records of the daughters of a sire with the records of their dams. These records are for 305-day lactation periods as reported by dairy herd-improvement association supervisors.

In the case of the 1945 winner, the daughters (with records raised to the equivalent of what they would probably produce at maturity) had an average of 515 pounds. Their dams had an average of 328 pounds.

The old way of figuring a sire index was to subtract the dam average from the daughter average (187 in this case) and then add the figure back to the daughter average.

On the old basis, therefore, Man-O-War Posch Veeman's sire index would have been 702. Actually, this year, the index is given as 503.

Why the change in scoring? The reason is a sound one. If a bull has 10 dam-daughter comparisons, you can be much more sure of his quality than if he has only five.

So the scores are now revised to give greater weight to the bull with the largest number of daughter-dam comparisons.

For instance, two Holstein bulls now have a sire index of 461 each. But, under the old rule, one would have had a score of 580 and the other a score of 563.

But, since the bull with the old score of 563 had 11 daughter-dam comparisons, and the bull with the old score of 580 had only eight, the new revised score evens things up between them.

Dairymen will want to study the table below for detailed comparisons of performance between the bulls in the contest.

The column marked "No. of Pairs" refers to the number of dam-daughter comparisons. The winning sire, for instance, had a record based on the records of six cows and their daughters.

The next two columns show the butterfat records (on a 305-day basis) made by the daughters and their dams.

The last column is the contest index, which is the customary sire index revised to give greater weight to the bulls with a large number of daughter-dam records.

The table also shows the high bulls in each breed. This year, the five at the top were all Holsteins. Notice in each case how a good sire can pull up a herd average. These proved bulls are the great assets of Iowa's dairy industry.

HIGH BULLS IN SIRE INDEX CONTEST

ANIMAL AND OWNER OR LESSEE	No. of Pairs	Av. B. F., Daughters	Av. B. F., Dams	Contest Index
HOLSTEINS				
Man-O-War Posch Veeman—Clinton J. Cooper, Hartley	6	515	328	[illegible]
Seven X Triple Klaver Pride—Will Yates & Son, Bigelow, Minn., and Walter Koostra, Ocheyedan	8	520	428	475
Carnation Imperial Chieftain—North Iowa Breeders Cooperative, Kanawha	6	521	424	[illegible]
Mutual Beets Echo—Northwest Iowa Breeders Cooperative, Sheldon	11	465	367	461
Sir Bess Piebe Ormsby Nadine—A. L. Duensing, Washington	8	504	428	461
BROWN SWISS				
Bonick Maid's Baron—Linn County Cooperative Artificial Breeding Assn. (lessee), Cedar Rapids	6	470	352	455
Francis of Spring Valley—H. A. Mabon, Randalia	6	499	426	448
Pride's Rex Boy—Ralph Bright, Eldora	11	456	428	4[illegible]
GUERNSEYS				
Highland Place Solitaire—Walter Weeber, Iowa City	7	478	394	4[illegible]
Cesor Jupiter's Manuel—Linn County Cooperative Artificial Breeding Assn., Cedar Rapids	6	490	426	4[illegible]
Jewell's Nonpareil of Prospect—George W. Young, Sioux City	7	400	348	40[illegible]
JERSEYS				
Foremost Chance Bill—Meredith Jersey Farms and D. L. Armann, Des Moines	5	475	442	41[illegible]
Giard's Smoky Calais—P. J. Johnson, Inwood	6	432	364	41[illegible]
Thomas Its' X—J. W. Swaney, Grinnell	5	425	411	39[illegible]

A Postwar Product—
TODAY!

The U. S. Government has authorized immediate production of the Till-Master Tiller. To a limited number of farmers, this offers an opportunity to increase food production in line with the vital national need.

TILL-MASTER

One Trip does 3 jobs

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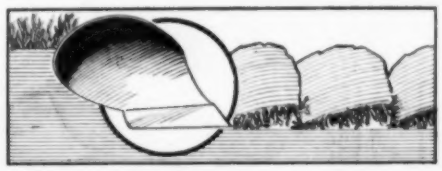
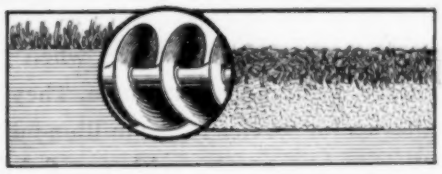
Rotary Tiller

AMAZING NEW IMPLEMENT SAVES YOUR TIME... MONEY...and TOPSOIL!

▪ *Cover raised to show power driven cutter. This cultivates the soil uniformly to the full depth of the cut—controllable from 3 to 9 inches. Note seed bed obtained in one operation.*



HERE IS WHAT HAPPENS to cover crop and surface litter in moldboard plowing. Soil is turned over. Cover crop is removed to the sole of the cut where it absorbs moisture rising from subsoil below—prevents it from reaching root area.



TILL-MASTER TILLING DOES THIS: Soil is thoroughly *worked*—to the same plow depth. Cover crop and trash are cut up and distributed through the *top 4 inches* of the soil, where they act as a binder to help prevent erosion and as an insulator to lessen evaporation. Moisture rises to the root level—and is *held there* by the organic matter. There, moisture can dissolve surrounding soil minerals and decaying organic matter to feed crop roots.

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1 **Till-Master will *plow, disc and harrow* as many acres in one day as can be merely *plowed* with a 3-bottom plow.**

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3 **Till-Master Tilling will re-establish the organic content of your soil.**

New and revolutionary as Till-Master is, it already has been widely field-tested and approved by farmers and prominent agricultural authorities. In all types of soil, and under all growing conditions, Till-Master Tilling results in better crops.

A seed company writes that they get a *better* seed bed with only *one* Till-Master operation than they formerly did in several operations with other implements.

Results in Better Crops

Till-Master cuts up cover crop, grain stubble and even corn stalks . . . works them in and mixes them through the top 4 inches of the soil. Here they effectively control erosion and decay rapidly to feed crop roots.

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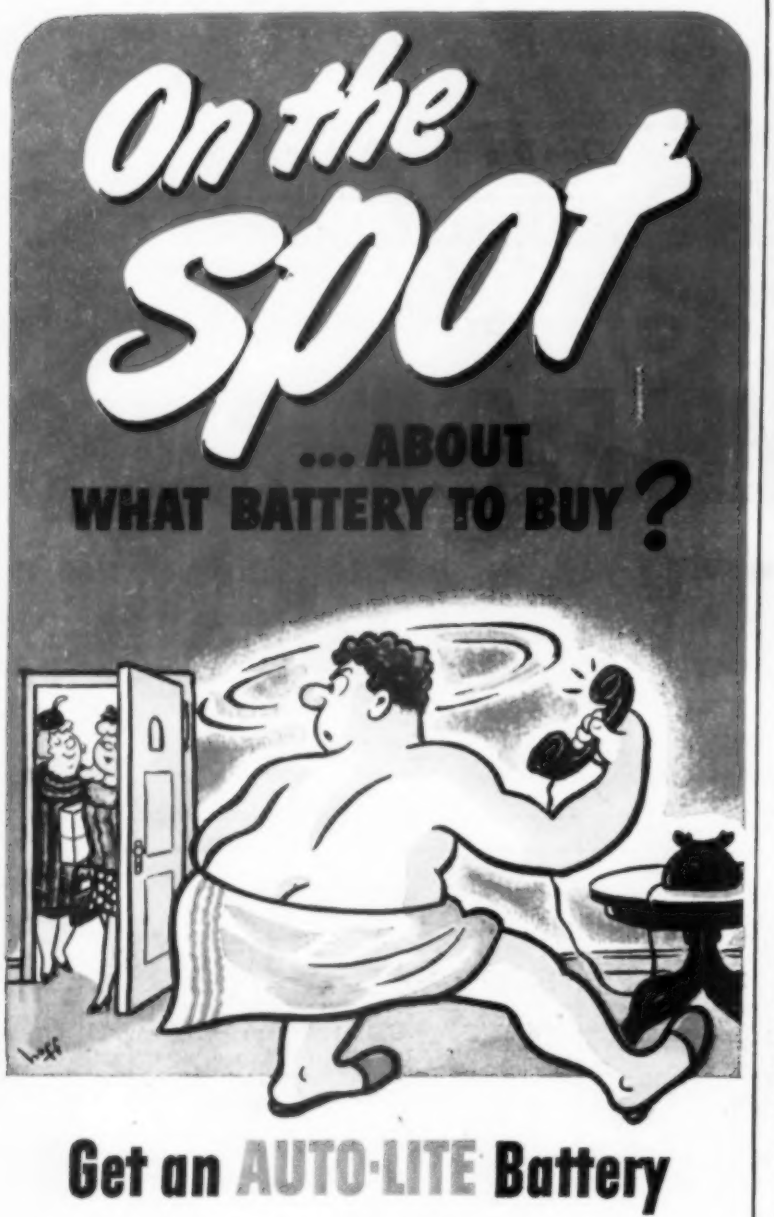

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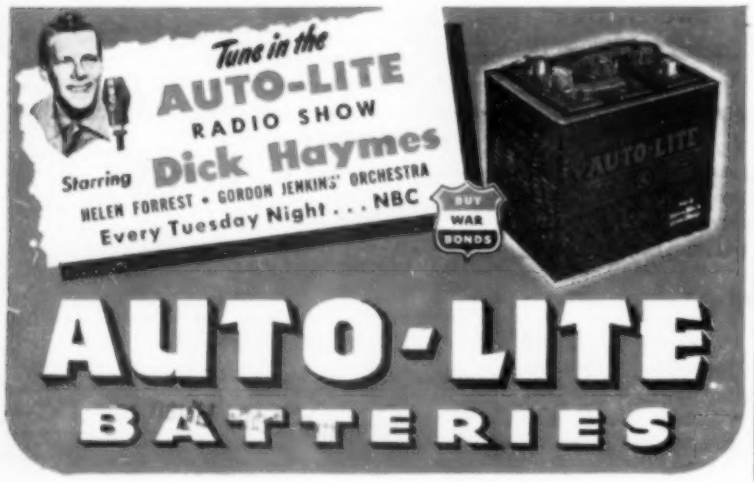
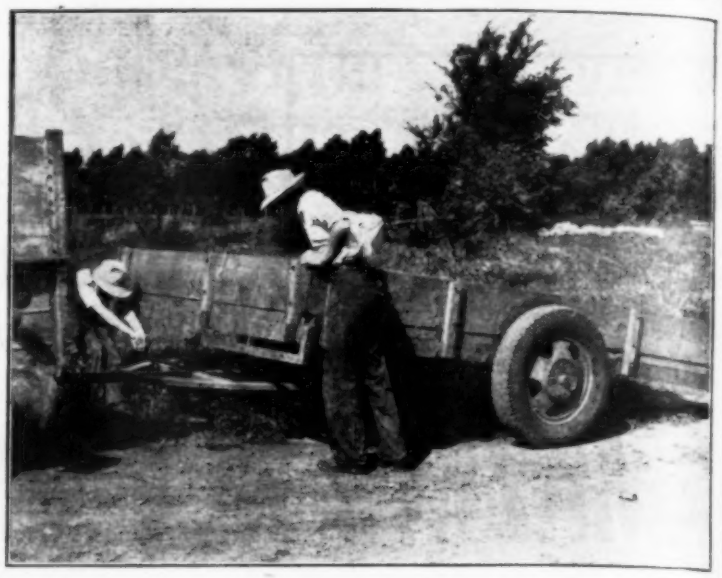




Dump Trailer is a time-saver on the R. R. Cejka farm, in Pocahontas county, Iowa. Back end comes to ground to let implements roll out. Robert, 14, and Jimmy, 11, demonstrate dump mechanism.

Farmers Talk Shop At Fair Booths

Combines, Crooked Rows, and, What Will the Boys Back From the Wars Do? Are Subjects

INTERESTING debates are often heard among farmers when they stop at the exhibits at the county fair, or when they swap work.

When two or a dozen farmers stop to see the conservation exhibit at the county fair, they are likely to compare their first experiences with farming on the contour. They usually start by asking: "How is the corn in the crooked rows?"

With a shake of the head and a smile, one or the other of the farmers is almost certain to reply: "I'm not sure whether I like it or not." Another will say: "I don't like it, but don't see how I can get away from doing it."

These better farmers have taken great pride in the long, straight rows they have driven for years. The straighter the rows were lengthwise, the straighter they were crosswise also, and the better job they could do in cleaning out the weeds.

No wonder they do not enjoy seeing the crooked rows wrapped around the hill on the contour. Neither do they admire the weeds that got a good start in the rows during the rainy weather and before the first cultivation was possible.

One farmer said he believed he could get accustomed to seeing some weeds in the corn rows easier than he could get accustomed to seeing the nice black top soil starting down toward the river after heavy rains.

Another said he needed a double-hinged planter tongue to make all the crooked rows when contouring. Still another said he would try to get furrow openers for his planter, thus allowing the cultivation procedure used on listed corn. That sounds worth trying.

There seems quite general agreement that there is a very noticeable reduction in the power needed to operate farm machinery on the contour. It is like making a level farm out of a hilly one.

Another interesting debate is very often heard on the general subject: "Resolved, that combining grain does not save enough labor and grain to compensate for losses incurred by unfavorable weather."

Delayed harvesting conditions resulting from rain or storm not only cause grain to go down, but help the weeds, if any, to come on up toward maturity. This year, the lush growth of newly seeded clover actually prevented some oats from falling to the ground.

Too early or too late combined grain is often unfit for safe storage or seed purposes, due to the presence of pieces of green weed stems or other damaging material.

One Warren county, Iowa, farmer trucks his combined grain to a good cleaning establishment, thus putting it in safe keeping condition and all ready for any feeding or seeding purpose.

Combining grain has been and is becoming more and more popular. Farmers apparently have the ready cash to buy these big, expensive machines, and they feel forced to do so to save harvesting labor.

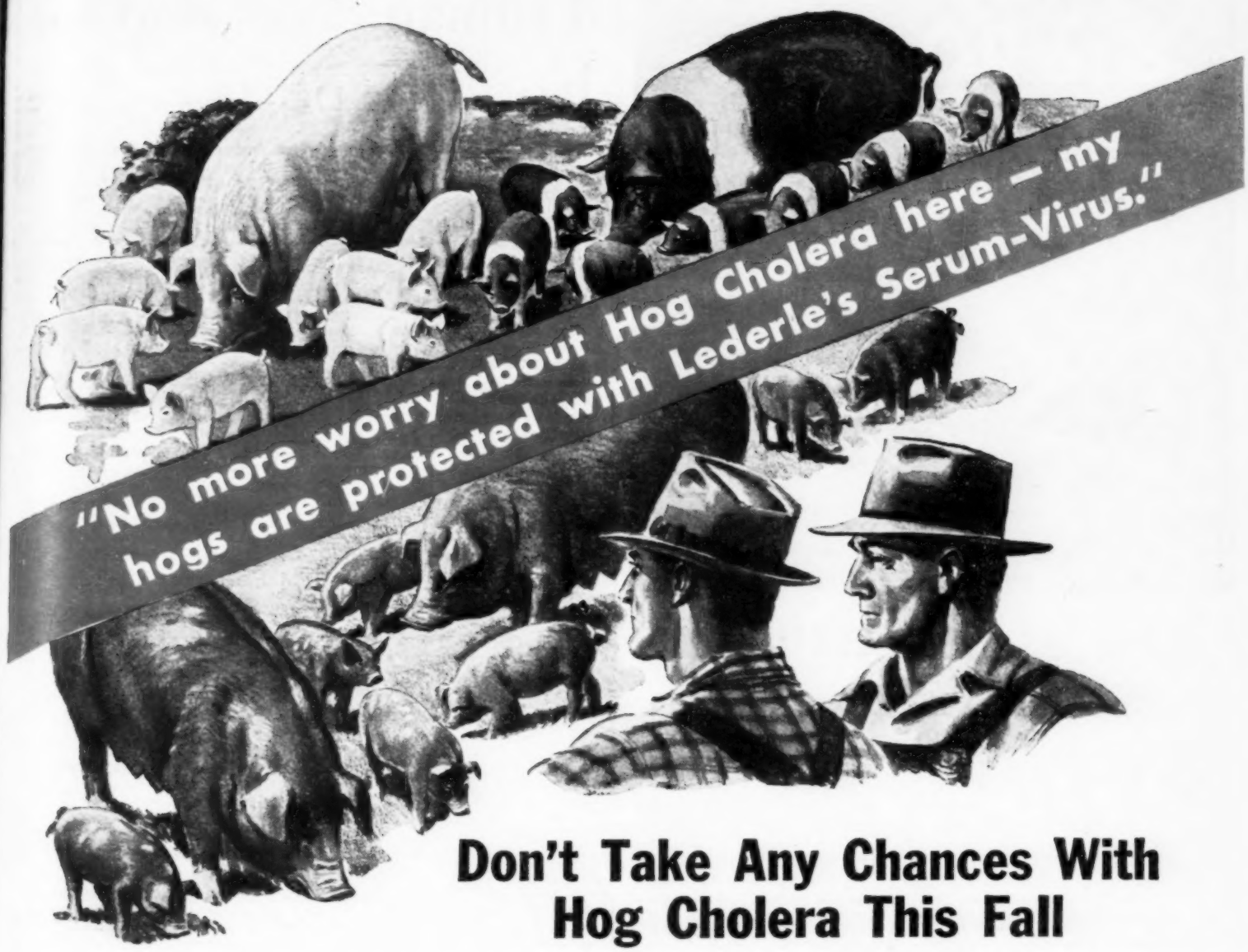
Straw is far more valuable when saved by the old binder-thresher method. The storm risk is partially eliminated, but more labor is required.

A hired man summed it up nicely by saying: "The combine is O. K. for the man who owns one, but all wrong for the fellow who is just waiting for one."

Now that the war is ended and restrictions gradually being relaxed, farmers at fairs and elsewhere are discussing another question: "How many of the farm boys will return to the farm and take up where they left off when they were fitted out with Uncle Sam's uniforms?"

Since they left the farms, not one has received training in any of the farm techniques. Most of them have had intensive schooling in destroying human beings. They have worked and trained in large or small groups to accomplish this one purpose.

Will the returning farm boys settle themselves and be contented on the farm? Or will they continue in some of the skills they have learned which are adapted to peace-time living? Farmers meeting at the county fairs don't have the answers. Only time will reveal the correct one.—Victor Felter, Warren County, Iowa.



Don't Take Any Chances With Hog Cholera This Fall

Gambling with hog cholera is poor business. 1945 already has seen more than the usual number of cholera outbreaks and coming months are certain to bring others.

Since there is no sure way to keep hogs from coming in contact with hog cholera infection, real protection can be achieved only by long-lasting vaccination. Lederle's Hog Cholera Serum and Virus, given at the same time, produce active immunity. The serum confers *immediate* immunity, while the virus works to set up *lifetime* protection.

Healthy hogs of any age may be vaccinated successfully with Lederle's Serum and Virus. Best results, however, are obtained when pigs are inoculated within one or two weeks after weaning. Suckling pigs are best protected by serum only.

When subjected to serious exposure, pregnant sows may be double-vaccinated up to the final six weeks of pregnancy. During the final weeks, however, it is safer to protect them with serum alone.

Reliable vaccination against hog cholera depends upon *potent,* high quality serum and virus in correct dosage. Lederle is a pioneer in the field of hog cholera prevention. The Lederle brand of Hog Cholera Virus and Serum is backed by 25 years of continuous laboratory research and satisfactory field use. Lederle operates one of the largest and most modern Serum and Virus production plants in the world, where hog cholera products are prepared strictly according to Government standards by highly skilled workers.

For *long-term protection,* use Lederle's Hog Cholera Serum and Virus!

FOR SCOURS

Lederle's Kemvite is an efficient treatment for white scours in calves and necro in hogs. By combining the effectiveness of Sulfaguanidine with niacin (one of the B vitamins), Kemvite not only controls the infection but also makes up for the niacin deficiency often associated with these diseases.*

**Trade-Mark*

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ANIMAL INDUSTRY DIVISION

If your dealer cannot supply you, please send us his name.
Free literature on Hog Cholera Control sent on request.

LEDERLE LABORATORIES, INC.

A Unit of American Cyanamid Company
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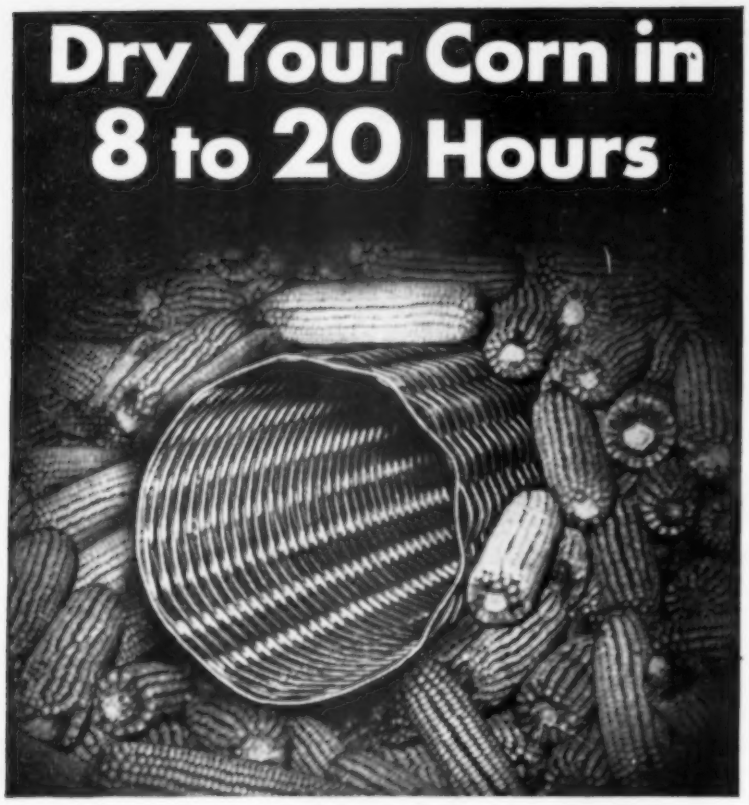
Dry Your Corn in 8 to 20 Hours



Behlen ALL-STEEL VENTILATOR Helps Save Your Entire Crop!

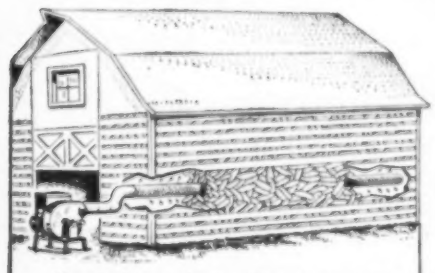
At last, you can say goodbye to heavy losses caused by "soft" corn, rot, or mold in your cribbed corn. For *now* you can obtain *Behlen* ALL-STEEL VENTILATORS and the *Behlen* FORCED-DRAFT DEHYDRATOR. These Ventilators may be used without the Dehydrator and will enable your corn to dry much faster than the old style upright wooden ventilator shafts. Combined with the *Behlen* Forced-Draft Dehydrator, the ALL-STEEL VENTILATOR cuts drying time a great deal further—dries your corn, believe it or not, in only 8 to 20 hours! Tests conducted by Nebraska County Agent and Federal Grain Inspector.

Costs Less Than Wood

ALL-STEEL VENTILATORS are made from welded steel mesh, the openings or mesh measuring about 1¾ x 3¾ inches. These are rolled into tubes 10 inches in diameter and four feet long. You use as many four-foot sections as necessary to provide one or more air channels horizontally through your corn. Use in either round or long cribs, large or small. Cost is less than wood ventilators you build yourself; air circulation is far greater.

Built for Lifetime Use

ALL-STEEL VENTILATORS are so light a boy can carry them; so "open-faced" your corn seems almost to surround tunnels of air alone. But they're rugged! ALL-STEEL VENTILATORS have great strength . . . guaranteed not to crush. Rust-proof. Use them year after year. Your first investment is virtually your only cost.



Above picture shows All-Steel Ventilator (inside crib) connected with *Behlen* FORCED-DRAFT DEHYDRATOR. This Dehydrator is a single unit, weighs about 300 pounds and mounted on steel skids for easy moving from crib to crib or farm to farm. Burns low-grade oil. Fan, operated by power from motor or tractor, forces heated air through the crib. Dries out a thousand bushel crib of corn in 8 to 20 hours.

Where to Buy

Your local dealer has *Behlen* ALL-STEEL VENTILATORS or can quickly get them for you. The coupon below will bring you complete information, free of charge . . . showing prices, usual number of Ventilator lengths desirable for various cribs, money-back guarantee, etc. If no dealer near your town, you may order direct from factory. Give your corn the benefit of this modern, crop-saving method of ventilating and drying. Act at once.

Behlen Dehydrator *and* ALL STEEL VENTILATOR

MAIL THIS COUPON NOW . . . WE'LL DO THE REST

BEHLEN MANUFACTURING COMPANY, Dept. 2
Columbus, Nebraska

Gentlemen: Please send, free and postpaid, your folder giving complete information, guarantee, prices, etc., on Behlen ALL-STEEL VENTILATORS and the Behlen FORCED-DRAFT DEHYDRATOR.

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Truman Asks Aid for Food Exports

More Cash for Farm Supports and More Help for Hungry Europe Recommended

WASHINGTON, D. C.—Last week, President Truman told congress what to do to avoid a farm crash like that which came after World War I.

He recommended that 1,900 million dollars be voted for UNRRA (United Nations Relief and Rehabilitation Administration). This would be spent largely for American food to be sent abroad, and would help to replace the gap left by the stopping of lend-lease.

The president also recommended that a half-billion in lend-lease funds be transferred to the Department of Agriculture for use in supporting farm prices at the guaranteed levels.

Detailed methods for this support have yet to be worked out.

One method that is gaining more favor is the device of letting hog prices, for instance, find their own level, and making up the difference to the farmer thru a cash payment.

As an example, if hogs should drop to $8, and the support level (90 per cent of parity) is $11, a farmer would get a $3 check for each hundred pounds marketed.

Negotiations are under way for extension of credits to Great Britain and other countries needing American food and other supplies. This country has already offered loans from the Export-Import Bank to foreign countries needing aid. But those in arrears on World War I debts are not eligible. This leaves out Britain.

It is the feeling here that arrangements to be made during the next few weeks will be designed to tide foreign countries over until the International Bank, proposed at the Bretton Woods Conference, can be established.

In a report issued since the war ended and termination of lend-lease, the Bureau of Agricultural Economics said it believes that the total demand for farm products, domestic and foreign, will continue sufficiently high well into 1946 to maintain the prices of most farm products close to current levels.

"Changes in prices received by farmers for most farm products," said the BAE, "are likely to be relatively small during the next few months, and will be largely seasonal in nature."

The Bureau said cattle prices, especially for lower grades, are likely to decline more than seasonally this fall, reflecting larger marketings and reduced military procurement of canned meats. It said milk prices are likely to rise in September and October, but probably not as much as usual.

The BAE forecast a continued shortage of meat—in relation to demand—thru at least the first half of 1946.

It should be pointed out that this optimism is based upon the assumption that civilian demand in this country will continue strong, and that large amounts of food will be sent abroad.

Undoubtedly, the picture would be quite different if the industrial reconversion job is slow and if exports drop.

Looming big in the minds of many farm officials is the 1946 farm production program. It is the generally accepted belief that 1946 price supports, except in the case of sugar cane and beets, and possibly a few lesser products in short supply, will be dropped to 90 per cent of parity—the minimum required under terms of the Steagall amendment. This amendment provides for price supports on war-expanded commodities (other than the basic commodities—corn, wheat, cotton, tobacco and peanuts) at not less than 90 per cent of parity for two years after final peace.

The so-called Steagall commodities are hogs, eggs, chickens, turkeys, milk, butterfat, dry peas, edible dry beans, soybeans for oil, peanuts for oil, flaxseed for oil, American-Egyptian cotton, potatoes and cured sweet potatoes.

The whole matter of 1946 production, price supports and production controls will be laid before farmers at county meetings in October. Secretary Anderson wants to know what farmers are thinking about these problems before he drafts next year's program.

Reductions in acreages of soybeans, flaxseed, peanuts, vegetables for commercial processing and a somewhat smaller level of egg, poultry and milk production seem to be indicated at the present time.

Truman "We do not intend to permit a repetition of the disaster that followed the first World war."

Farm officials are worried most about eggs. With prospects of a slight increase in numbers of hens and pullets on farms for late winter and spring laying, officials expect production to exceed demand and prices to drop below support levels.

Washington is eagerly watching congress struggle with the administration-sponsored "full employment" bill, which would establish the principle that it is the government's duty to provide every person with a job.

It is contended that full employment, with an annual national income of 150 billion dollars, would bring about farm prices like the following: Hogs, $11.25 per cwt.; beef cattle, $10.25 (average); veal calves, $12; lambs, $11.45; eggs, 29 cents a dozen; chickens, 20 cents a pound; milk, $2.90 per cwt.; wool, 40 cents a pound; corn, 90 cents a bushel; wheat, $1.10; soybeans, $1.70.

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ORIGINAL BEAUTY PRESERVED WITH PAINT

Farmer Brown believed in keeping his place in good order. He painted regularly with good paint—kept all his buildings in good condition and his implements in good repair. Today, as always, his farm is an asset to his community.

It's a joy to live on a beautiful, well-kept farm. You feel better, you are proud—and your farm is worth a lot more money! See your Cook Paint Store or Dealer for your paint needs now.

TO RACK AND RUIN THROUGH LACK OF PROTECTION

Farmer Lagree may have believed in paint—but he didn't use it! For lack of protection against wear and weather, his buildings have gone to ruin, his fences fallen, and his machinery rusted into junk. Today they are beyond recall!

How much cheaper it is to **repaint** than repair. Now—before it's too late—restore beauty and usefulness. A little mending and a liberal use of **Cook's Paints** will halt depreciation!

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AUDUBON—Reinhold Drug
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AVOCA—Fullerton Lumber Company
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BARNES CITY—Fullerton Lumber Company
BATTLE CREEK—Cranes Furn. & Undertaking
BEDFORD—Farmer's Co-op. Elevator Co.
BELMOND—Fullerton Lumber Company
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BRADDYVILLE—State Line Oil Company
BREDA—Joyce Lumber Company
BRIDGEWATER—Bridgewater Lumber Co.
BRISTOW—Fullerton Lumber Company
BRITT—Fullerton Lumber Company
BROOKLYN—Fullerton Lumber Company
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CARSON—Fullerton Lumber Company
CENTERVILLE—Caylor Lumber Company
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CLINTON—Joyce Lumber Company
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CORLEY—Fullerton Lumber Company
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CUMBERLAND—Gordiniers Drug Store
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DANBURY—Fullerton Lumber Company
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ELK HORN—Elk Horn Imp. & Hdwe. Co.
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EXIRA—Nelson & Jessen
FAIRFIELD—Jurgensen's Electric Co.
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FT. DODGE—Cook Paint Store, 1102 Central
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GRAETTINGER—McWilliams Hardware
GREENFIELD—Fullerton Lumber Company
GRINNELL—Rudkins Hatchery
GRISWOLD—Fullerton Lumber Company
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HALBUR—Joyce Lumber Company
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HUNTINGTON—P. V. Koford
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LACONA—P. C. Konrad Dept. Store
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LENOX—O. D. Tyler Gamble Store
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LOGAN—Cutler & Cutler
LOHRVILLE—Fullerton Lumber Company
LOW MOOR—Clinton County Lumber Co.
MACKSBURG—Fullerton Lumber Company
MANILLA—Farmers Coop. Lumber Company
MANNING—A. H. Hinz Building & Supply
MANSON—Fullerton Lumber Company
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McCLELLAND—Fullerton Lumber Company
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MENLO—Fullerton Lumber Company
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MONTEZUMA—Fullerton Lumber Company
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NEWELL—Fullerton Lumber Company
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PACIFIC JUNCTION—Fullerton Lumber Co.
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PANAMA—Fullerton Lumber Company
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PIERSON—Joyce Lumber Company
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RICKETTS—Joyce Lumber Company
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ROCKWELL CITY—Fullerton Lumber Co.
ROLFE—Fullerton Lumber Company
SHELBY—Shelby Lumber Company
SIDNEY—Wildberger Furniture Company
SILVER CITY—Gearhart Lumber Company
SIOUX CITY—
Cook Paint Store, 625 4th St.
Fullerton Lumber Company N. Side Yard
Fullerton Lumber Company S. Side Yard
SPENCER—Nicholaisen Paint Store
STUART—J. H. Williams Company
TABOR—Fullerton Lumber Company
TEMPLETON—Joyce Lumber Company
TREYNOR—Treynor Pharmacy
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VARINA—Fullerton Lumber Company
VILLISCA—Fullerton Lumber Company
WALNUT—Mertz Implement Company
WATERLOO—Fullerton Lumber Company
WESTFIELD—Fullerton Lumber Company
WHITTEMORE—Fullerton Lumber Company
WOODBINE—Woodbine Lumber Company
YETTER—Joyce Lumber Company

MINNESOTA

BROWNTON—Fullerton Lumber Company
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DARWIN—Farmer's Lumber & Fuel
DELANO—Johnson Furniture Store
ECHO—Sebey Hardware & Imp. Company
EVELETH—Fullerton Lumber Company
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GAYLORD—Fullerton Lumber Company
GRANITE FALLS—Nelson Furniture Store
GRASSTON—Fullerton Lumber Company
GREEN ISLE—Fullerton Lumber Company
HAMEL—Hamel Lumber
MANKATO—Zeno Company
MINNEAPOLIS—
Cook Paint Store, 106 Washington Ave. N.
Cook Paint Store, 1535 East Lake Street
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NEW DULUTH—Fullerton Lumber Company
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PAYNESVILLE—Fullerton Lumber Company
ROCHESTER—Fullerton Lumber Company
ROCKFORD—Fullerton Lumber Company
SIMPSON—Fullerton Lumber Company
ST. CLOUD—Koerber Paint Store
TRACY—Lawson Variety
WASECA—John Seashore
WATERTOWN—Fullerton Lumber Company
WEST DULUTH—Fullerton Lumber Company
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BEVIER—Hughes Mercantile Company
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BUCKLIN—Farmers Lumber Company
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LATHROP—J. E. Kincheloe
MACON—Quality Hardware
MARSHALL—Mark's Brighten Up Store
MEXICO—Cook Paint Store, 206 S. Jefferson
MILAN—Burgher & Co.
MOBERLY—Cook Paint Store, 213 N. 4th St.
MOUND CITY—Harman Drug Company
NEW HAMPTON—New Hampton Lbr. Co.
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145 Designs and Blue Prints Available!

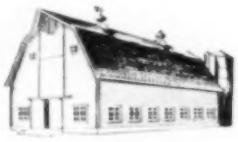
● It won't be long now until you can build the kind of a building you want, new in design, modern in every detail, planned and equipped to make work easier and help you increase farm income.

One way to make doubly sure you're going to get what you want is to look over the Designs of the Weyerhaeuser 4-Square Farm Building Service. It's ready now in the yard of your 4-Square Dealer.

This new planning guide is big in size—and big in value—and big in its completeness. There are 145 designs of farm buildings and equipment. The pictures are large, the descriptions are brief, the blue prints easy to read.

You can select any one of these designs with the assurance that your choice is best of its kind. Agricultural authorities and Weyerhaeuser engineers pooled their experience and skill to develop buildings that help reduce animal mortality, increase livestock production, protect crops and machinery, and save labor hours—in short, buildings that increase farm income.

See the Weyerhaeuser 4-Square Farm Building Service. See all the sections—See all designs. Study them. Make doubly sure you're going to have the kind of a building you want.



FREE FARM BUILDING BOOK—If you'd like to have a quick view of the Weyerhaeuser 4-Square Farm Building Service so that you can go over these designs in your home, write for your free copy. No obligation. Simply name the buildings in which you're interested.

SOUND MOVIES FOR FARM MEETINGS FREE!
Tell your program chairman about these interesting and dramatic films telling the story of America's Forest Industry, a division of agriculture. There are two full-length movies, "Trees and Men" and "Trees and Homes". Both are sound films, one in color, one black and white. These movies are free for farm meetings. Write for descriptive folder.

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4-SQUARE LUMBER AND SERVICES

Farm Folks...
...Make Farm News

Owl Comes When Boys Whistle

David, 8, and Robert, 10, sons of Mr. and Mrs. L. C. Brownlee, Lucas county, Iowa, are the owners of an unusual pet.

Early in the spring, the boys were bringing the cows home from the pasture, and found a young owl that had fallen from its nest in a tree. It was unable to walk, and they picked it up, took it home and cared for it.

This pet owl chases the cat but ignores chickens. David and Robert Brownlee, Lucas county, Iowa, boys, raised the orphan.

In due time, it grew up, but considers the Brownlee farm its home. It will fly around the buildings and trees, but will always come home when the boys whistle, especially if they hold up an enticing bit of meat.

The owl carefully ignores the chickens on the farm, feeling it is above such lowly cousins, but it does delight in chasing the cats.

Loveland and Sheehe Named to PMA

A. J. Loveland, Bremer county, Iowa, farmer, has been appointed state director for the Production and Marketing Administration for Iowa. Loveland has been state chairman of AAA, which is succeeded by the new organization, since June 25, 1941.

That there is to be some combining of agricultural work is indicated by the fact that George Sheehe, now state director of the Office of Supply, will be assistant state director for PMA.

Loveland, in his new position, will immediately assume responsibility for the operation of the following programs: Agricultural conservation, adjustment, crop insurance, sugar payments and related production programs; school lunch, direct distribution and related food use and preservation programs; price support, loan, subsidy, purchase, sale and marketing programs as assigned; other functions which may be assigned by the administrator.

Saw a Ball of Fire Under Blower

A ball of fire under the blower was the first thing Buy Dimond, Kossuth county, Iowa, farmer, saw when he climbed into the mow to push back the straw. "Look out below!" yelled Dimond, as he scrambled down the ladder just as the blower spread the flame all over the mow.

William Cosgrove, the thresherman, heard the cry of "Fire," threw the belt, backed the tractor to the machine and pulled it away, but not before the intense heat and flames had turned the blower black.

The fire was spectacular, says the Algona Upper Des Moines, and attracted folks from Algona, Wesley and Titonka, as the flames destroyed the 68x86-foot barn in less than one hour.

Spontaneous combustion or dust explosion seemed probable as the cause of the fire.

Cow Freshens, But Has No Calf

A 13-year-old Holstein cow on the F. E. McNeal farm, in Clayton county, Iowa, produced 630 pounds of butterfat in 1944. She freshened in April, 1943, but no record was kept in that year. She milked well until September, 1944, when the flow lessened and she went dry for 10 weeks.

Two treatments of a drug, applied with the advice of Dr. C. L. Crider, veterinarian, started the milk flow again. The cow produced 39.7 pounds of butterfat in May, 1945. She has not had a calf since 1943, but promises to do so this coming winter.

Kept Him Busy For 34 Years

Grass grows in ditches for Paul S. Nielsen, of Harrison county, Iowa. But this Danish immigrant has not let much grass grow under his feet since landing in this country in 1911, at the age of 19 years.

Nielsen worked four months after arriving, to pay for his passage from Denmark. Now he owns 25 acres of land and operates 345. He produces annually about 150 to 200 hogs, fattens 100 to 120 cattle, keeps 35 purebred Hereford cows and 20 Shropshire ewes, which produce a supply of purebred breeding stock.

Nielsen found advantages in cooperation with the Soil Conservation Service in the operation of hill land. Grassed waterways, contouring, terracing, fertilizer, brome seedings and a livestock program have all been adopted.

Paul S. Nielsen finds "gold" in the hills of Harrison county.

Of six boys and two girls in the Nielsen family, two boys are in the armed services.

HERE'S HOW TO

Cut Your Corn in Half

and save work too!

Save valuable corn in feeding out your hogs this fall. Balance rations with proper proteins and minerals, and you can get the same gains with about HALF the corn—saving work and money, too.

Try the Sargent way and see the corn you can save —with MultiRICH Minral Meal. Now fortified with EXTRA animal proteins, this stepped-up hog supplement gives you three-way corn-saving value—Proteins, Minerals, and Vitamins, all in one bag, at one low price. Minral Meal gives your hogs tankage, but feeds twice as far as tankage alone. It gives them Minerals PLUS, yet costs no more than ordinary minerals alone.

No mixing or bother when you balance your grain with Minral Meal. It's ready-mixed, ready to feed. Just put it before your hogs and they do the rest—eating just what their bodies crave—balancing their own rations.

There's a reason why Minral Meal is the largest selling protein-mineral hog supplement in the heart of the hog belt. Corn savings. Work savings. Money savings. Ask your dealer for the facts, and start saving corn NOW.

Sargent MultiRICH

Minral Meal

SARGENT PLANTS: Des Moines—Monmouth, Ill.—Fremont, Nebr.—Waverly, Mo.—Algona, Iowa

WHY shucks, SON, Mother knew they would right along. She saw hundred bushel corn in the bright, plump, even seed kernels — in the strong vigorous stand that you could "row" in a little more than a week. She saw it later in the deep-green, stiff stalks that stayed alive, feeding the ears to full maturity. She saw it in the first Pfister Hybrid ears Dad brought in . . . big, heavy ears filled to the tip, and just cob enough to hold the kernels together. A woman's intuition? No, Son, just a matter of reading the "SIGNS" of finer Pfister Hybrids breeding, the "earmarks" by which a Genuine Pfister Hybrid is unmistakably known.

Genuine PFISTER HYBRIDS

This bright trade mark on your seed bag is a "hostage" we give you. It means we're staking our reputation on the performance of that seed. Look for this trade-mark and you'll find finer seed.

PFISTER ASSOCIATED GROWERS, INC., EL PASO, ILLINOIS

REFUEL WITHOUT WASTE

Easily • Safely • Quickly

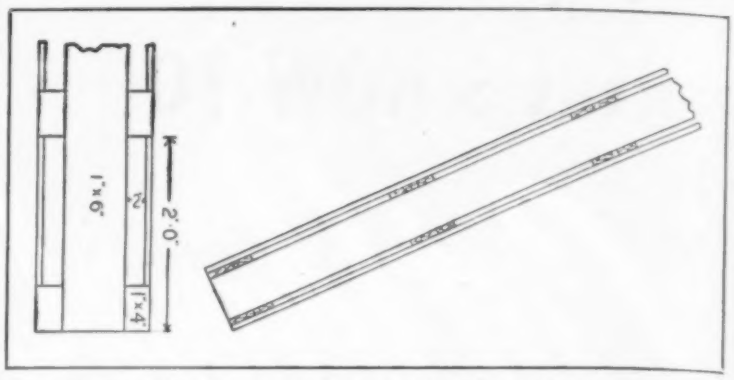
Here's your barnyard "filling station" for refueling all motorized equipment. It's the Tokheim Hand Pump with *Fil-O-Matic Shutoff*. Fits any barrel or drum. Very easy to operate. Just turn the crank, and when tank is full, the nozzle valve automatically stops gas flow—eliminating waste, reducing fire hazard, saving valuable time Pumps 10 gallons a minute. Also available without *Fil-O-Matic Shutoff*. See your implement dealer or write the factory.

Watch Tokheim!

War prohibits full production now. But peace will bring plenty of Tokheim pumps —new products, too. Watch for them! General Products Division, Tokheim Oil Tank and Pump Co., Fort Wayne 1, Ind.

TOKHEIM FARM EQUIPMENT

BUY VICTORY BONDS—BRING THE BOYS BACK HOME



Box Ventilators are made of 1x6 boards with 12-inch cross-pieces, so cracks will be left at each corner. They can be placed upright to carry air upward out of the cribbed corn. As many can be used as necessary according to condition of corn.

Wet Corn Needs Air

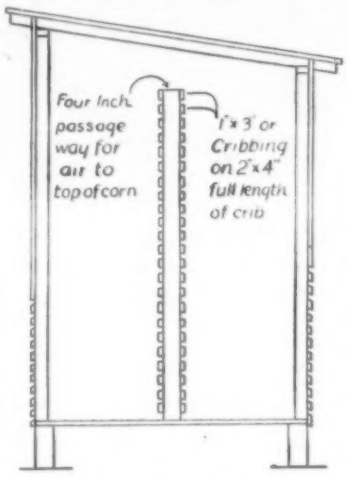
Here Are Several Ways to Ventilate Cribs

(Continued from page 1)

Another simpler way to dry high moisture corn is suggested by Ellison. Temporary cribs, six feet wide, or even less for very wet corn, might be constructed with poles and wire or slat fencing.

Floors above the ground and roofs of boards or other material above the corn are best. But these narrow cribs will still do a fairly good job if the floor is of paper laid on well-drained ground, and the roof paper can be laid directly on the corn.

Such a temporary crib, 6 feet wide, 36 feet long and 12 feet high, would hold 1,000 bushels of corn. The crib might be built with 252 feet of 48-inch fencing and 22 14-foot poles. Floor and roof would be extra, and also ties at top of poles.



Ventilators thru the center of the crib from end to end and from floor to top of corn are recommended by Iowa State College engineers.

If possible, this type of crib should be built with the side exposed to the wind. Ellison warns against too great a height, and filling with corn that is too dirty. If too tall, the tightly settled corn will prevent air movement thru the corn. Shucks, silks and shelled corn do the same thing.

But most farmers will have to depend on ventilators in cribs they already have. With corn pretty well down to 20 per cent moisture, ventilators will do the job. Three types have given satisfaction.

Long, narrow ventilators placed from end to end thru the crib and from the floor to the top of the corn, are recommended by Iowa agricultural engineers. They provide for upward movement of air thru the center of the crib.

These ventilators can be made of narrow slats on 2x4's, or the 2x4's could be covered with wire or snow fencing. The illustration shows the manner in which the ventilator is placed in the crib.

A-type ventilators have been recommended by Illinois agricultural engineers. As shown in the illustration, they are wide at the bottom and come to a point a few feet below the top of the corn.

This type of ventilation reaches the part of the corn that is most likely to mold. It is easy to construct and keep in place while the crib is being filled.

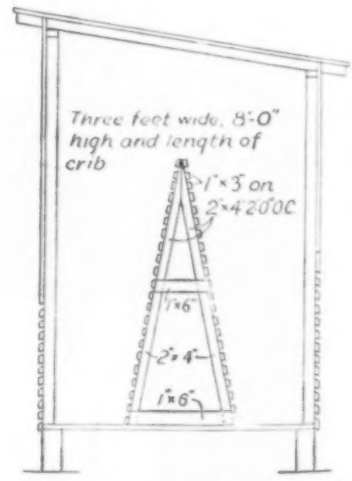
Disadvantages of the A-type ventilator are the large amount of crib space used by the ventilator and the lack of escape for the air at the top. It is probable that some of the waste space could be avoided by making the ventilator narrower at the bottom than the illustration shows.

Box-type ventilators, as shown at top of page, are more adaptable to all kinds of cribs. They are made of 1x6's, with two or three-inch cracks at each corner. They can be placed horizontally or upright.

Iowa engineers recommend placing them upright so the air can move upward out of the corn. The number of ventilators can be regulated according to the wetness of the corn.

Floor boards directly under ventilators should not be removed, engineers say. Tight bottoms force the air to come thru the corn, then up and out thru the ventilators.

Corn pickers, elevators and wet corn can mean trouble. Pickers pile the corn rapidly, and the elevator may dump all the trash and shelled corn in one place. Early picking and lack of care with the elevator might defeat crib ventilation.



A-Type ventilators have been recommended by Illinois engineers. Cribs are easier to fill with this type, but there is no upward movement of air.

When Knights were Bold . . . *they were not so Big*

Most of America's fighting men couldn't begin to squeeze into the armor of the Middle Ages. Nevertheless, wartime studies reveal that nearly half of our population suffers from dietary deficiencies, while yet having enough to eat.

This serious problem is being tackled with typical American thoroughness by physicians, dietitians, food processors and scientists. In an ever-expanding program of research for better nutrition, the ten great laboratories at Anheuser-Busch have made some significant contributions.

Many tons of specially grown food yeasts have been produced by Anheuser-Busch to fortify the diets of the armed forces.

Our plant has become the world's biggest source of natural B Complex vitamins for pharmaceutical manufacturers and food processors.

Protein is the most important food element found in meat, fish, eggs and dairy products. Specially grown food yeasts, yielding a high ratio of protein containing the ten amino acids established as necessary for normal health, have been produced in vast quantities for dietary purposes.

Our diet kitchen has found dozens of ways to incorporate these highly nutritious food yeasts into economical, body-building dishes, each with a delicious flavor.

Food yeasts, produced by Anheuser-Busch are specially grown for their nutritional value. *Do not confuse them with the compressed, fermentable yeasts you have previously known.*

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SAINT LOUIS

Manufacturers of food and drug products interested in nutrition fortification; hospitals, war plants, institutions; physicians and dietitians requiring dietary supplements rich in proteins and high in Natural B Complex Vitamins, are urged to write us for complete information on the nutritional value and multiple uses of "Dried Food Yeasts."

Photo Courtesy
J. I. Case Company

CHANGE TO THIS
NEW *Fighting*

AVIATION OIL

Everybody knows our flying Super Forts carry tremendous bomb loads. But you alone realize better than anyone else what terrific farm loads your tractor carries.

So why not give this fighting machine of yours on the ground, the positive lubrication essential in the sky. Use Champlin HI-V-I . . . the new fighting aviation oil.

Refined by a special new solvent process . . . from 100% Paraffin Base Mid-Continent Crude . . . the finest obtainable . . . Champlin HI-V-I has the stability to meet the extra demands placed upon an oil by today's increased temperatures, speeds, and pressures. It has the power to penetrate in between close-fitting, moving parts, and bathe their action in a tough film of oil that stands up after ordinary oils break down.

Naturally, then, there's less chance of scored pistons, stuck rings and valves . . . less wear . . . less chance for engine failures.

So from now on buy Champlin HI-V-I. Available in refinery sealed cans from friendly Champlin service stations and dealers. CHAMPLIN REFINING COMPANY, Enid, Oklahoma. Producers, Refiners, and Distributors of Petroleum Products Since 1916.

REMEMBER, *the Armed Services have first call on all Champlin Products.*

DEALERS — DISTRIBUTORS: ***To established petroleum jobbers and dealers, Champlin HI-V-I and other petroleum products offer a splendid opportunity for both present and postwar sales. Write for full details today.***

USE CHAMPLIN OILS
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HI-V-I Motor Oil
"ON THE GROUND . . OR IN THE SKY"

Nelson's
MASTER ROOFS
"Best for the Weather's Worst!"

BUY VICTORY BONDS—BRING THE BOYS BACK HOME

Rented, Improved This rented farm in Warren county, Iowa, had its face lifted. Tenant did much of work, landlord furnished materials in adding to barn, building fence and painting buildings.

Why Change Tenants So Often?

Landlord and Tenant Both Lose on Short-Term Leases, But Disputes Cause Changes

EVERY year, there is too much shifting among renters on corn belt farms. In Iowa, one-third of the tenants stay only two years.

Is the fault to be found in the form of lease? Should we look into the relationships of the contracting parties?

What are the points that contribute to success in landlord-tenant relationships?

One, that's very essential, is a cooperative attitude on the part of both. Here is one tenant who always met the landlord with a suspicious air, as if to say: "He isn't going to put anything over on me!"

When the landlord's agent sent him a suggested crop program for the year, he replied, flatly: "I ain't going to plant no beans!" No reasons given—just that was that.

Quite in contrast is the reception a landlord received at another place: "Sure glad you came out—I've just been wondering what we should do with this poor stand of grass."

An understanding spirit on the part of the landlord goes a long way. He won't be too critical of fence rows still uncut when work has been rushing. He will furnish little conveniences for the tenant.

He might even praise the tenant where praise is due. Was any one ever spoiled that way? A "hard-boiled" attitude may get results for the gang foreman, but for the independent American farmer it just doesn't go down.

A willingness to compromise, and yield to reasonable demands, wins in the end.

Then, each must live up to his agreements. Here is a tenant who always gave the landlord's agent a glad hand, but would cheat every time when it came to dividing his share. Needless to say, he was soon moved on.

Perhaps that tenant should not have been blamed too much. It was a poor farm, and how else could he make a living for his large family?

For this same farm, at one time, a fine young tenant was available, if only a decent barn were built to care for his stock. But, no, the owner couldn't see putting any more money into it. And so, for years thereafter, it proceeded to yield him very little income.

It is important that lease contracts are fair. If the lease gives an evident advantage to one party over the other, it is doomed from the start. Is the cash rent too high? Then the honest tenant soon leaves.

When farm leases were at a premium, some renters would sign for anything, and then try to wriggle out. One tenant continued to let a high rent be charged him, and was several years delinquent. At the final settlement, when he was closed out, the landlord lost, too. Other interests stepped in with prior claims.

Of course, there is always the matter of ability. The Whitneys moved onto a place that seemed nothing but a wortnless, cocklebur infested farm.

The good crop yields this tenant made that first year surprised even the landlord himself. With some help from the landlord, the burs were all kept from seeding, too.

Incidentally, to those who think they can pick an industrious fellow by his hand-shake—this man's was the limpest you ever felt. But he was a real worker.

Landlords often report that the fellow with a high school background usually gets along better than one who quit school early. He will show better judgment, and is generally more ready to listen to reason.

Again, there needs to be a clear understanding of each other's obligations at the time the lease is made. Too many leases are signed and then forgotten. Each party goes on his merry way about as he has been in the habit of doing.

Therefore, it pays to spend plenty of time beforehand discussing what is expected of each—especially in the case of a stock-share agreement.

Let the two parties take time enough to get acquainted with each other. A lease, like a marriage contract, is more apt to last if not rushed into ignorantly.

Like most marriage contracts that stick, you will find the best rental relationships where each party is willing to do even a little more than he agreed to.

Take fencing: One tenant aims to do as little as possible. Another will

LONG LEASES?

How can we help more tenants to stay five and ten years on a farm instead of one and two years?

What's your idea? Pick out one thing that would help in this direction. Write a letter of 300 words about it and send it to Lease Editor, Wallaces' Farmer and Iowa Homestead, by September 25.

We'll pay $3 for each letter we can use.

Here's one point somebody may want to discuss. There are dozens more. Would it help to agree that if a tenant makes improvements that outlast his tenancy, he is to get paid their value when he leaves?

build all the fences that he can reasonably, as long as the landlord will furnish material. Which tenant will stay on his place longest?

On the other hand, the landlord who furnishes extra help to keep up improvements, and perhaps allows more favors than the customary lease, is apt not only to keep his tenant, but to get better returns as well. As one landlord testified: "It pays to keep the tenant feeling good."

Some tenants don't like to do the little extras!

Here's John. He threw his landlord's share of grain into the bin after threshing, wrote him that it was wet, and let it go at that. When taken to market, the oats were practically worthless.

Here's Bill. He has a combine and a sheller, and does much custom work. Can't be bothered with mowing weeds on the farm he rents, or keeping up repairs. Doesn't even raise much stock—too busy working out. No wonder he was exchanged for a real livestock farmer.

Even with a grain-share lease (and many in Iowa are of that kind), a tenant who is "good with stock" is an asset to the place. Fertility is maintained better, for two reasons: More manure is produced and more grass seed is sowed.

Which reminds us of that silent third party in every lease, the land. Tenancy is in disrepute because in too many cases the soil is mined instead of farmed.

Case after case may be cited of hilly farms where grass cover was plowed up, with the result that these hills soon have little value for crop or pasture either.

Improvements too often suffer. "If I had known when we first came that we would stay here seven years," admitted one renter, "I'd have set out some shrubbery and windbreak trees."

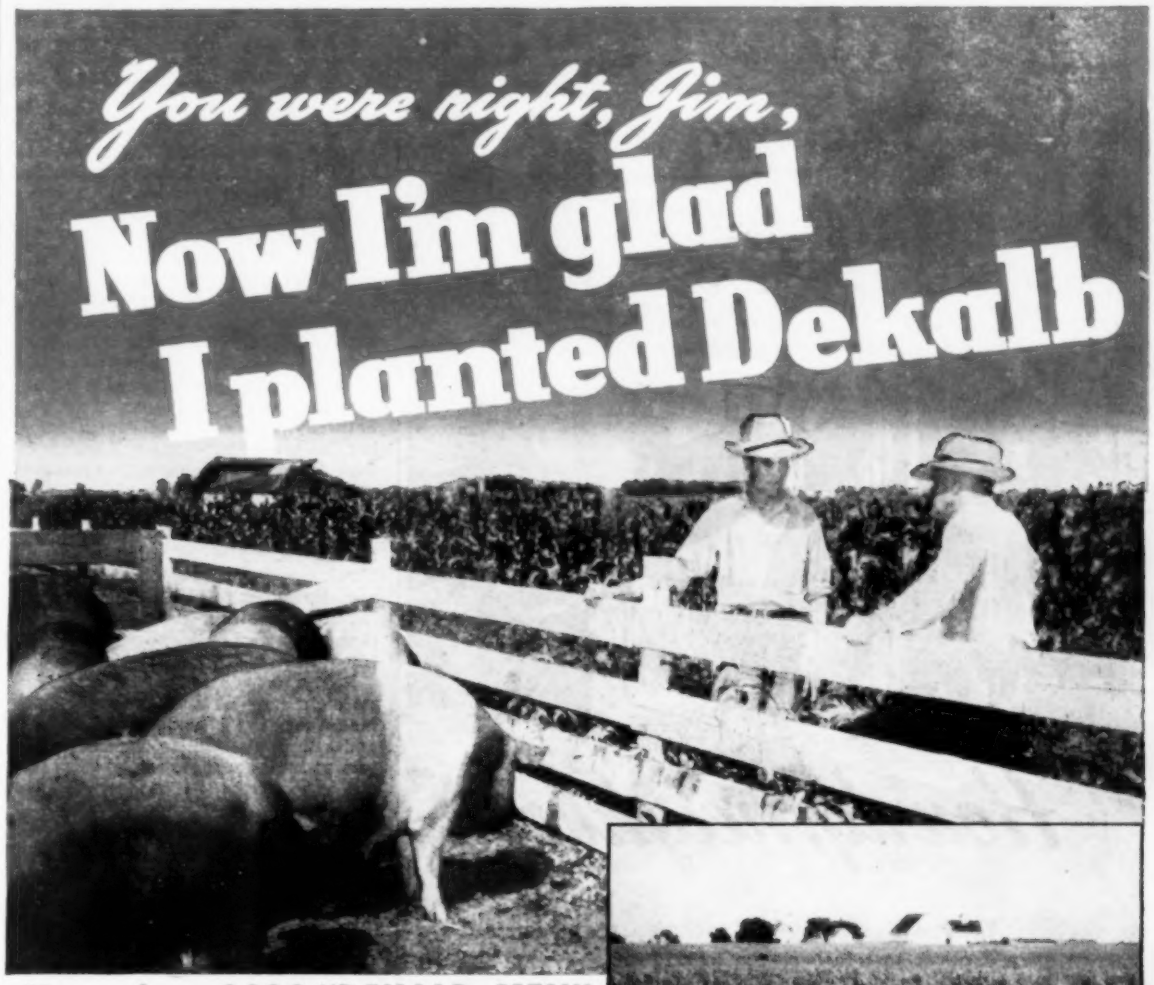
But here's the Jenkins family, who have lived a couple of years on their rented place. A new barn was built for them, and other improvements made. They have set out the windbreak trees furnished, and built new lot fences.

They discuss with the landlord's agent further plans and possibilities for the place. They have hopes of buying it for their own some day, since they are assured of the first chance in event of sale.

"If the place is sold—" that is an ever-present threat to tenant security. No one has yet worked out a satisfactory plan for removing that hazard.

Silage Keeps Well in Temporary Silos

Temporary silos will do a good job of preserving silage. They can be pits or trenches below ground, or paper covered snow fencing above ground.

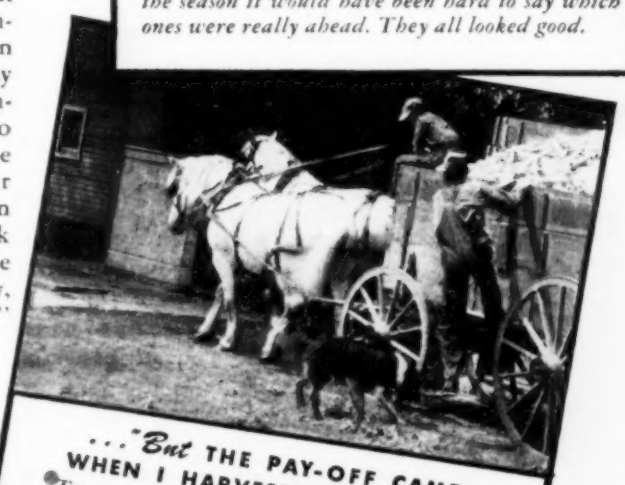


More than 3600 "DEKALB MEN" bring, expert service to farmers all over the Corn Belt...

Like the old family doctor who knows each member of the family, your DeKalb man knows well the farm conditions in your neighborhood. He lives near you—he may be your neighbor. He grows corn as you do. He brings to you the *findings* of a great corn breeding staff. And he demonstrates those findings on his own proving grounds right where you may see for yourself how DeKalb improved varieties adapt themselves to your own growing conditions. See your DeKalb man and tell him your problems and your desires. You can bank on him to help take guess-work out of growing corn, so that, come next harvest time, you too will say, "Yes, I'm glad I planted DeKalb!"

"All MY CORN LOOKED ABOUT THE SAME"

I had planted several kinds of hybrids to find out which were best for my farm. Half-way through the season it would have been hard to say which ones were really ahead. They all looked good.



..."But THE PAY-OFF CAME WHEN I HARVESTED DeKalb!"

Toward harvest time my DeKalb varieties seemed to spurt ahead. I saw big ears develop and mature on live stalks, and when they husked out so clean and easy, with deep kernels on small cobs, and when I figured the yield!—for MY place DeKalb was best!

DEKALB AGRICULTURAL ASSOCIATION • DEKALB, ILLINOIS

DEKALB..the Great Yielding Corn

"Howdy, neighbor!"

TO you Farmers and Ranchmen, along our railroad, The Milwaukee Road is a neighbor—an old neighbor. What goes on on your side of the community fence is of interest not only to the local railroad workers you see from day to day, but to all of us on The Milwaukee Road.

Through the years it has been our business to carry to market anything from a case of eggs to a train load of wheat, cattle, or whatever else you offered; to bring back a ball of twine or a giant combine.

But perhaps some of our neighbors of long standing are unfamiliar with the services of our Agricultural Development Department. Its job is to be helpful in solving problems of production, processing and distribution.

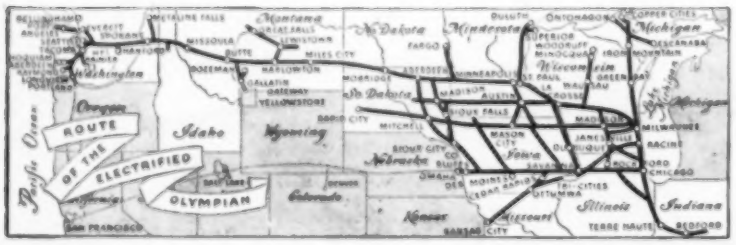
Experienced agents of this department are constantly cooperating with national, state, and local organizations as well as with processors of farm products. Thus they seek to aid every farmer in our territory.

The necessity for teamwork was never more important than it is today. What you grow is vital to Reconversion and lasting Peace. Transporting your products without delay or waste to where they are needed most is equally essential.

Call on us, as an old neighbor, to help in any way we can.

CHICAGO MILWAUKEE ST. PAUL AND PACIFIC

Agricultural Development Department,
808 Union Station, Chicago 6, Ill.



The MILWAUKEE ROAD

Start Dairying Young

Farm Boys, Girls Take Over Waterloo Show

YOUNG people again took over at the Dairy Cattle Congress in Waterloo, August 31 to September 3, for their largest showing since wartime limitations stopped their dads from bringing stock.

They came from 72 Iowa counties, with dairy calves, yearlings and two-year-old heifers. There were 363 entries of purebred dairy stock and 94 entries in the show of saddle and Palomino horses and draft type colts.

Boys' demonstration teams from 10 counties ran a continuous show on Saturday. To assist in demonstrating the use of rotenone and sulphur dust for cattle grubs, a live heifer was on the platform.

In a demonstration on the care of milking machines, Ray Dankenbring, of the second place winning Black Hawk county team, went thru all the operations that follow milking—flushing utensils with a wetting agent and then setting away hose and teat cups filled with dilute lye solution.

Ray, a pleasant, blond farm lad, is state club president this year. He and his father have 50 registered Jerseys, and sell whole milk to a cheese factory at Independence.

Ray is optimistic for those who tie to quality stuff. "There is a national market for good purebred animals," he reasons, "and producers of high quality milk will best survive a slump."

In handling or preventing mastitis, he thinks feeding and cleanliness play a big part. He says: "In Iowa, where there is so much corn, too many feed it too heavily, especially before the cow freshens. Feed a balanced ration always."

Beverly McKee, of Warren county, showing a fine Milking Shorthorn heifer, was one of a number of girl exhibitors. In one barn were four Milking Shorthorn heifers, representing produce of three consecutive years, that were full sisters. The first pair, two-year-olds, were twins.

The heifer production contest represents the goal of all dairy club work. Records are kept of a year's production after the heifer freshens. A summary sheet is turned in. All costs are shown, and profit figured on production. The club member also submits a story of his project, and a picture of the animal.

For the Tama county exhibit, their extension director, Burns Byram, had a story which might have been bad luck for this particular occasion. "The heifer which we were counting on most for the show," he said, "had a heifer calf here last night—but, anyway, she did her part."

Warren county's team, made up of Maurice Core, Rowland Dyer and Robert Bellman, won first in dairy judging. In the dairy demonstration contest, Jasper was first, with Robert Worth and LeRoy Marshall.

The dairy heifer production contest went (in Section A) to a Brown Swiss owned by Lowell Mabon, of Fayette, and (in Section B) to an Ayrshire owned by Donald Funk, of Black Hawk.

In Ayrshires, Jack Lang, of Poweshiek, was the champion showman, and Maynard Lang, also of Poweshiek, had the champion heifer.

The champion showman in Brown Swiss was Maurice Telleen, of Webster, and the champion heifer was owned by Stanley Van Auken, of Keokuk county.

In Guernseys, Lynn Brown, of Black Hawk, was the champion showman, and Richard Ostendorf, of Webster, had the champion heifer.

In Holsteins (with a big class of 94 animals), Reuben Steffens, of Fayette, was champion showman, and Robert Walters had champion heifer.

In Jerseys, Durwood Lyon, of Tama, was champion showman, and Robert Massee, of Chickasaw, had top heifer.

In Milking Shorthorns, Donald Cantonwine, of Benton, was champion showman, and Robert Carson, of Tama, had the champion heifer.

Showman over all was Jack Lang, of Poweshiek, and reserve showman was Durward Lyon, of Tama county.

DOWN ON THE FARM by Pilchey

CAN'T YOU LET UP NOW, LEM?....
THAT NEW NEIGHBOR DOWN THE ROAD IS GOING TO BUY SOME B.F. GOODRICH TIRES OF HIS OWN NOW!

Sure, B. F. Goodrich tractor tires were hard to get but there'll soon be plenty. Most everyone likes the open-center rear wheel tire tread. It gives extra traction because it has a deep bite, a powerful grip, and it's self-cleaning. Saves you more on fuel bills, cuts working time. If you're going to need tires ask the B. F. Goodrich dealer to put you on his preferred list.

AN ADVERTISEMENT OF **B. F. Goodrich** • FIRST IN RUBBER

Workday Pointers

SOW TIMOTHY this month on bare spots in the alfalfa stand.

▲ ▲ ▲

CHOPPING the whole stalk is a good way to start feeding corn to cattle.

▲ ▲ ▲

FATTENING CATTLE will do well if the protein concentrate is fed once a day, either morning or evening.

▲ ▲ ▲

DEHORN CATTLE when flies are gone. Calves less than six months old get much less shock from the operation.

▲ ▲ ▲

ROUGH FEED will be in greater supply than feed grains in the 1945 feeding season, according to present indications.

▲ ▲ ▲

FIVE-INCH TILE will carry about twice as much water as four-inch tile. The smaller tile should be used only on very short runs.

▲ ▲ ▲

ROUGHAGE of good quality is the cheapest kind of feed for cattle of all kinds. Fed liberally, it will save grain in the production of either milk or beef.

▲ ▲ ▲

LEAVES will be lost if the frosted corn is not cut with the binder or feed cutter a day or two after frost hits. Next to the ears, the leaves have the greatest feed value.

▲ ▲ ▲

CRIB FLOORS at least 18 inches off the ground, and all board piles cleaned up before winter, will help

wheat rats out of some of the 3 per cent of total food production they are estimated to consume each year in this country.

▲ ▲ ▲

A SELF-FEEDER wastes feed if the roof doesn't reach out far enough to protect the feed from driving rains. Even then, the feeder should be placed on a cement floor or board platform.

▲ ▲ ▲

PULLETS will have a better chance to remain free of disease thru the laying season if the laying-house is cleaned and left empty two or three weeks before the pullets arrive for the winter.

▲ ▲ ▲

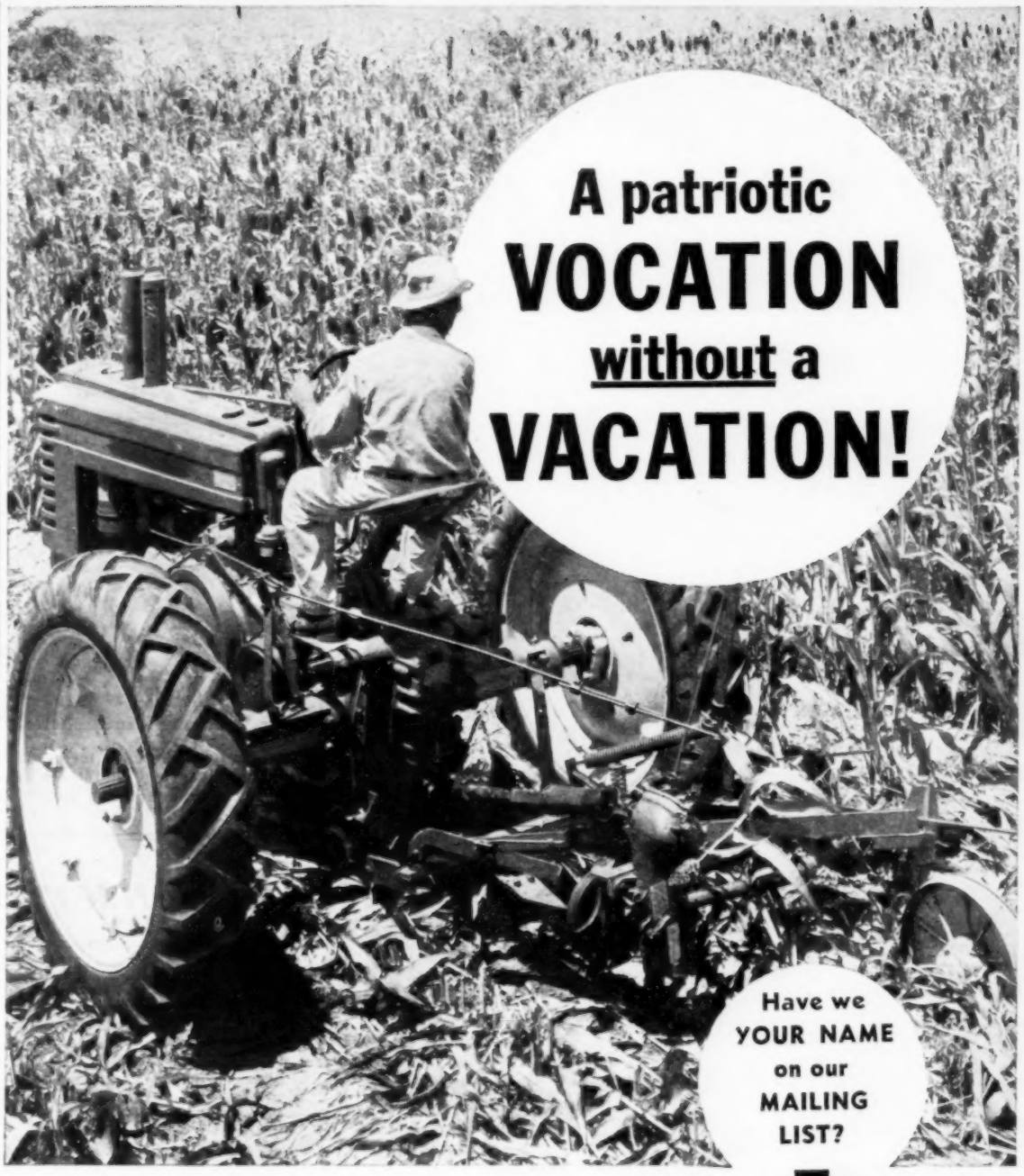
OLD BUGGY TIRES, or other pieces of strap iron, can be placed in cement foundation walls, then bent over the sills and nailed to hold the sills in place. Some like them better than bolts.

▲ ▲ ▲

HAY-MOW FLOORS may be overloaded with baled or chopped hay. Loose hay weighs about four pounds per cubic foot; baled or chopped hay may weigh as much as 10 pounds per cubic foot. Barns were built for loose hay.

▲ ▲ ▲

IF TILE LINES FAIL to drain low spots, dig down to the tile at various places along the line and check for clogged places. If holes are filled with gravel, surface water will get away more quickly. If gravel isn't handy, corn cobs can be used to fill the holes.



ALL DAY AND EVERY DAY . . . Saturdays, Sundays and holidays, too . . . the farmer is on the job. He's working harder than ever before, but he's not grumbling! He knows that he was an important link in the chain that kept supplies moving to the fighting fronts.

Today, by dint of unceasing efforts, patriotic farmers are harvesting bumper crops . . . crops that exceed the all-time highs of this country's farm output! And the wonder of it is, that the farmer is achieving these miracles of increased production with less help than ever before . . . and in the face of a serious shortage of farm equipment.

Because farm machinery is growing old, far-sighted farmers are nursing it along with extra-special care and the best lubricants available. That is why more and more farmers are using Phillips products. They are making good use, also, of the experience and advice of their Phillips 66 Distributor when it is a question of selecting the correct lubricant for a particular job.

With so many oils to choose from (for Phillips makes a number of different kinds for various preferences and pocketbooks) it may seem difficult to know which one to use. But if you want a *quality* motor oil, it's no problem at all! For Phillips tells you frankly, "Phillips 66 is our best motor oil . . . the highest grade and the greatest value of all the oils we offer to farm car-owners like yourself."

FREE. Send for your copy of PHILFARMER

This condensed farm magazine is packed with pictures, information, entertainment. There's something in it for every member of the farm family. To receive copies regularly, send your name today to: Philfarmer, Phillips Petroleum Co., Bartlesville, Okla.

For Cars, Trucks, Tractors

IT'S PHILLIPS FINEST QUALITY

No Kneading ... Time, work cut in half!

THIS EXCITING NEW PILLSBURY WAY

EASY, FAST, FUN TO BAKE!

A NEW, RICH TASTY BREAD

NOW! With this startling ANN PILLSBURY method, you *cut bread-making time by as much as three hours!* Make rich loaves, rolls, coffee cakes . . . golden-textured, crispy-crusted, *good*. And remember . . . *whatever* you bake, *whenever* you bake—you bake your *best* with Pillsbury's Best!

Ann Pillsbury's "NO-KNEAD" SPECIAL BREAD

rich loaves, party breads, rolls, coffee cakes

Bake at 375° F. for 1 hour — Makes three loaves

Combine . . 1½ cups scalded milk
2 tablespoons salt
¼ cup sugar
½ cup shortening

Cool . . . . . to lukewarm by adding 1½ cups water.

Add . . . . . 3 packages yeast, compressed or dry granular; mix well.

Blend in . . . . . 3 eggs

Add gradually 9 cups sifted PILLSBURY'S BEST Enriched FLOUR; mix until dough is well-blended. (This dough will be softer than a kneaded dough.) Place dough in large greased bowl and cover.

Store . . . . . dough in refrigerator or cold place at least two hours or until needed.

Shape . . . . . chilled dough into three loaves on well-floured board; place in greased, 9x4x3-inch pans and cover.

Let rise . . . . . in warm place (80° to 85° F.) until double in bulk, about 2 hours.

Bake . . . . . in moderate oven (375° F.) for 1 hour.

NOTE: . . . . . If desired, one-third of dough may be used to make 1 dozen rolls. Fill 3-inch, greased muffin pans ½ full; let rise in warm place until double in bulk, about 1 hour, and bake in moderate oven (375° F.) for 25 minutes.

THIS METHOD GUARANTEED ONLY WITH PILLSBURY'S BEST

Pillsbury's BEST XXXX Enriched Flour

Pillsbury's Best *Enriched* Flour

★ FOR GUARANTEED BAKING

Save Your Waste Paper!

It's Still Needed!

Homemaking

Edited by **ZOE MURPHY**

This is one time when the men and the children can help with the canning. Tables, machines and containers are all within easy reach. And canning becomes an interesting project instead of the drudgery it often is.

A Center for Canning

"YOU ought to see the canning center at Denison. I took four bushels of tomatoes last year, and in about four hours had 74 quarts canned," said a farm wife south of Schleswig, Crawford county, Iowa.

Another said: "I'm going to can some chicken for home use. I'll do it at the canning center."

"A group of women south of Denisoon took their surplus vegetables to the center and canned hundreds of quarts of vegetable soup."

It was remarks like these that acquainted me with this Crawford county project and took me one July day to see the canning center in operation.

The center is located in the old college building in the northeastern part of town. After climbing a flight of stairs from which came the building's sound of activity, I thought for a while I was headed for the welding school, but a door opened onto a room of kitchen workers.

The noise was coming from steam faucets which were in use for the pre-cooking of green beans. I was greeted by Miss Olga Sand, home economics instructor in the Denison schools and director of canning.

Let us approach from the outer office, where records and supplies are kept, and on into the 24x40-foot main room. At the first table is a washing tank and sink, and plenty of work space. Mrs. Ray Michels has brought snubbed beans, and, after washing them, is breaking them into a large kettle.

Go with her to the pre-cooking corner where, by steam pressure, seven or eight quarts of beans will come to 180 degrees (or hot pack) in the quickest time an average homemaker has ever seen. The operator has a thermometer in one hand, a stirring spoon in the other, and she waits but a few minutes.

It is just a step from pre-cooking to the jar and can sterilizer or to the filling table, the center of which contains a large exhaust box, or hot-box, where products in quantities larger than 10 quarts are kept hot until all are ready for the cooker. At the other end of the filling table are two electric and two hand can sealers.

Most of the canning is done in pint and quart size tin cans. These, bought in quantities, are retailed to users at 3 and 4 cents each. Canning is done in glass jars, too, altho these are not as handy for quick cooling and taking home.

As the cans are sealed, each is marked with a copper sulphate solution or ink. Data includes patron's canning number, contents of can and date of fill. (If something goes wrong with a batch, this is a big help in determining the fault.)

Mrs. Michel's batch of string beans is small, but it can be put in the huge cooker with many others, and there is no question of identification.

There are four large pressure cookers, or retorts. Two will hold 106 tin quarts, or 170 tin pints. Two smaller will hold 27 quarts. Running at capacity, 260 quarts could be processed at a time, or around 2,000 quarts in a capacity working day of eight or nine hours.

It is in early morning, every one is busy, but there is no confusion. Mrs. C. R. Stover is helping her daughter, Mrs. Ed Jepson, can beets. The pre-washed beets are cooked for 10 minutes, at 10 pounds pressure, in a smaller retort, then cold-dipped, the skins slipped off, and beets packed in containers as are beans.

There is no guesswork at the cannery. A batch is put in the pressure cooker. The exact time pressure is up is marked with chalk on the lid, also when processing time should end.

While waiting for the first lot of beans to come out, and it isn't long by steam pressure cooker, I had a chance to look over the 30-gallon soup kettle.

This is what was used by the neighborhood which went together on soup making. They cooked vegetables and meat bones in this steam-jacketed kettle.

It is fine for rendering lard, too.

Department

And it has a spigot at the bottom for running out hot liquids that would pay for going to the center at butchering time in safety alone.

I was shown in the basement the old school heating plant, used as the 10-horse power boiler for the present operation.

Back to see the bean basket lifted from the pressure cooker to the cooling tank. There is a large crane for full loads.

Community centers have been very popular in the south. Chambers of Commerce have built buildings just for the purpose. At Denison, they used the only thing they had — a school building that was idle.

Efficient equipment makes the work easier than it can ever be at home. Besides, there's always some one to help with the hard things at the canning center.

There are but four centers in Iowa, and all are regarded as experimental. Folks of Denison are enthusiastic about theirs. This year users are glad to pay a 2½-cent processing fee for each jar or can done. (This pays running expenses and the wages of a full-time maintenance janitor.)

The equipment was furnished by the government under the Department of Vocational Education. The two supervisors are part-time government employes. Folks about town proudly think of it as becoming their own, with the Chamber of Commerce furnishing the coal, the city the light and water, and the school board the building.

Last year, there were as many as 15 people working on corn and tomatoes at one time. Now appointments have to be made a day ahead, and how that phone rings all day long! Last year, the center didn't get going until the last of July, but by that time this year several thousand quarts had been done.

Here users work together. Miss Sand said to one: "Why don't you help this newcomer get started? You pre-cooked beans yesterday."

The community cannery was used by 225 families last year, and 12,000 quarts were done. The largest quantities were tomato juice, peaches, pork and beans, and corn. Miss Sand thinks they have tried everything.

There was a large batch of pork and beans being stirred up as I left. The recipe was largely from Miss Sand's head, but the ladies were making it because it was better than any they could buy. It looked good with oodles of catsup, chili, tomato juice, molasses, brown sugar, and lots of bacon.

Pork and bean people preferably come in the morning, for even after overnight soaking the quarts have to be processed under pressure 115 minutes at 10 pounds.

Users of the center are half country and half town, but it is unusual for country women with separators, chickens and noon dinners to get in before afternoon.

Emergencies come up at the center, even as in one's own home. The day before, a gasket had gone bad on one of the big cookers—just, of course, when a load of chicken was in. The chicken had to be switched to the other cooker, and the leak on the crippled cooker repaired.

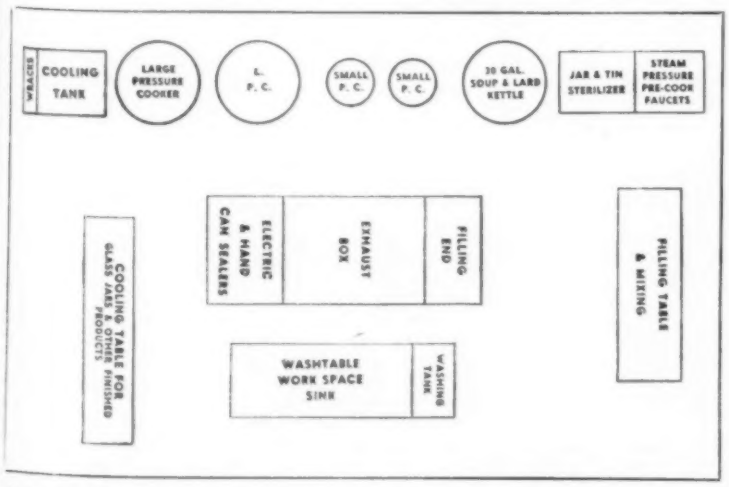
As a home canner, I learned much by observation at the center. First was the extreme importance of hot pack, and keeping products hot until cooker loads are made up.

I learned that a tin can can be very full, with no air space, provided the contents are really hot. I learned that it would be very unwise to fill a can with, say, cold chicken, take it several miles to a sealer, and then try to process it at home.

I saw salt tablets used in canning. They are so handy, every home ought to have them. Each tablet contains one-half teaspoon of salt. Two are easily picked up, and, without muss, dropped in a quart of hot vegetables.

I saw emphasized also quick cooling of processed foods, as can be done with tin, and realized anew the importance of spreading glass jars out at home in as cool a place as possible.

The makings of many winter hot lunches for Crawford county schools will be assembled at the canning center.—Margaret Noll.



This is the floor plan of the Community Canning Center at Denison, Iowa. You can see that it is planned to save steps and time.

THEY GROW ON

Dreams

Right now Nancy is dreaming of a trip to the American Royal Show to be held in Kansas City, October 10, 11, and 12, this year. Thinking of all the little excitements of the trip . . . riding on the train . . . dinners in big restaurants. Dreaming of serious pleasures . . . seeing champion cattle . . . prize-winning achievements . . . taking part in the big 4H conference.

Nancy hopes to *win* the trip by learning to stand straight . . . by making a fly trap . . . by learning first aid . . . by correcting bad food habits . . . in dozens of ways helping to improve her own health and that of her community, her country.

Ten members of the winning 4H Club in the Kansas Health for Better Living Activity will win a trip to the American Royal Fat Stock and Market Show in Kansas City—to the 4H Conference. And in each county of Kansas the boy and girl with the most outstanding health record will win a silver medal. Awards in this project are provided by J. A. Folger & Co.

This is just one part of one 4H project in one state. But it illustrates the way 4H Club members are taught to dream . . . of better ways of doing things . . . of prettier clothes and finer cattle and healthier living and happier homes. To make the best better is a motto of the 4H. And it's a dream they make come true in 48 states.

And this one part of one 4H project in one state is typical of our American way of doing things—through teamwork. A great educational institution, Kansas State College—a business organization, J. A. Folger & Co.—and individual farm families—all work together in this project.

We of Folger's consider it a privilege to sponsor even a small part of activity so surely directed to make life better.

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Mountain Grown

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THE COFFEE WITH THE FLAVOR ADVANTAGE

13 Glasses of Jelly from 3¼ Cups of Sugar

and 3¼ cups corn syrup the SURE-JELL way!

SURE-JELL RIPE GRAPE JELLY

5 cups prepared juice
3¼ cups sugar
3¼ cups light corn syrup
1 box Sure-Jell

To prepare juice, stem about 3½ pounds fully ripe grapes. Crush thoroughly. Add 1½ cups water, bring to a boil. Simmer, covered, 10 minutes. Place in jelly cloth or bag and squeeze out juice.

Measure 5 cups prepared grape juice into 5 or 6-quart saucepan. If there is not enough, fill last cup with water. Measure sugar and syrup into bowl; set aside. Place juice over high heat. Add Sure-Jell and stir until mixture comes to a hard boil. Add sugar and syrup at once.

Bring to a *full rolling boil* and boil hard **one-half minute**, stirring constantly.

Remove from fire, skim, pour quickly. Paraffin at once. Makes about **13 six-ounce glasses!**

Your family is entitled to sugar for home canning. If you haven't applied for this sugar, *do it now!*

Be *sure* with SURE-JELL, the modern powdered pectin product that helps *all* fruits jell just right.

Yes, you use *ripe* grapes with Sure-Jell—and the jelly has *delicious* fresh-fruit flavor!

Save your sugar! Use *half* corn syrup!

A *half-minute* boil for jelly, *one* minute's boil for jam, with Sure-Jell.

About 13 GLASSES—using only 1½ lbs. of your sugar ration!

SURE-JELL Saves Fruit and Sugar!

The short-boil method, using Sure-Jell, gives you half-again more jelly or jam than you'd have with long-boil recipes and the same amount of fruit—and how it stretches sugar!

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A Product of General Foods

65 RECIPES IN EVERY BOX—A Different Recipe for Each Fruit!

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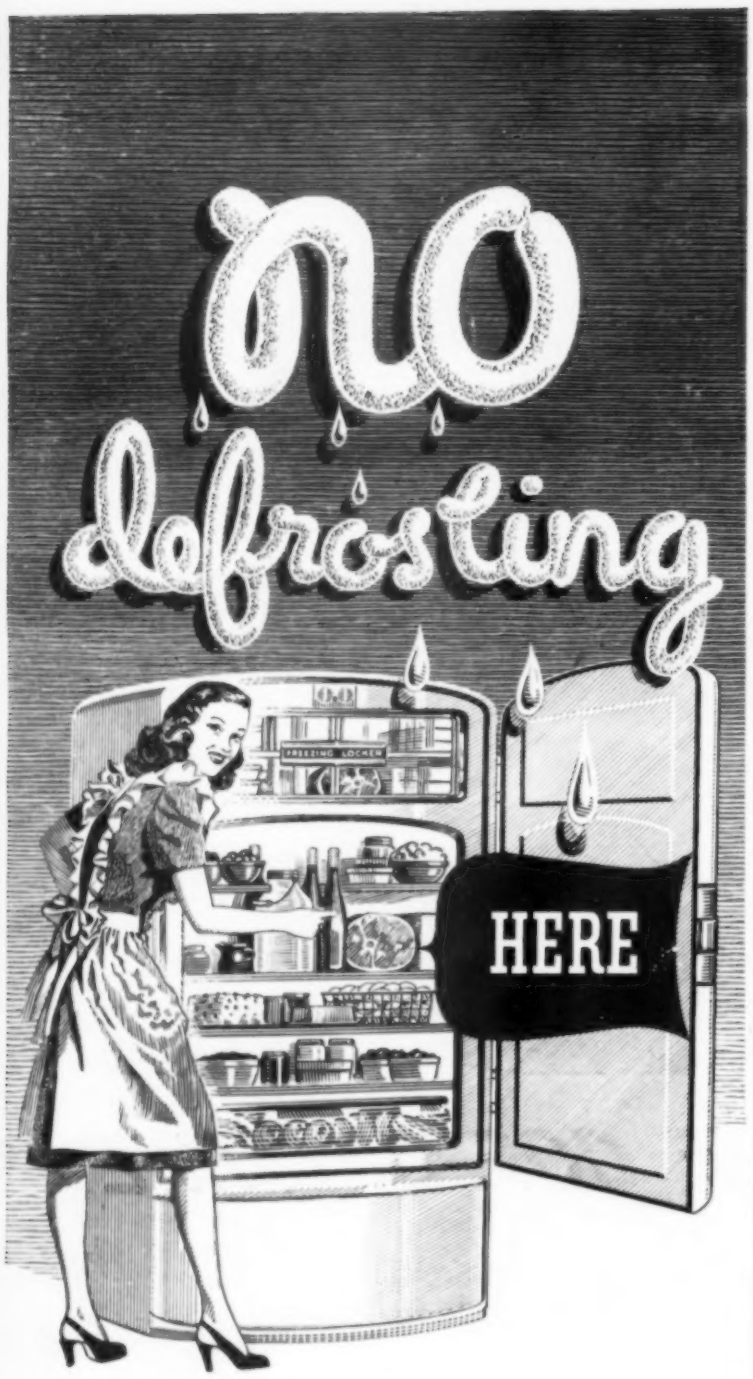

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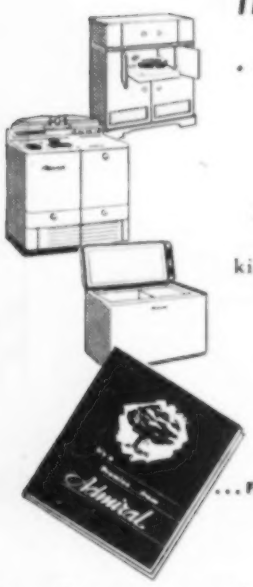
. . . the 2-in-1 Refrigerator



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COUNTRY AIR

By ELIZABETH C. WHERRY

"WHEN the war is over——" It was a phrase often on our lips, yet it was something we didn't actually visualize. Somehow, it was like the phrase youngsters say so glibly: "When I get married——" Or that oldsters use without much belief in its actuality: "When I am dead and gone——"

❦ ❦ ❦

"When the war is over——" Like the other phrases, it came true. In this case, not without warning, not without hope and planning, yet it came true suddenly, with almost unbelievable speed in its final stages.

❦ ❦ ❦

Corporal Wherry writes: "What's it like back home, now that there's peace in the world?" It's hard to tell him. A little celebration here and there in our small communities, marked by kids whamming the old firebell; a few drunks, and some laughter. In our quiet by-ways, there was more of silence, more of throats too tight for words.

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We talked awkwardly of the atomic bomb, of Russia, of MacArthur, Truman, Franklin Roosevelt, "the boys," and turned our thoughts to boys who won't come home, to families still "waiting to hear."

❦ ❦ ❦

Often it dawns upon me that one reason I, as an individual, go on as quietly as usual is because there has been so little in the every-day set-up of my life that has been changed.

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Oh, yes, I couldn't drive the car as freely as formerly. I did miss the sugar. I needed new curtains, but preferred not to buy war-time quality. I didn't need to travel much. I had plenty of homemade soap left over from the farm.

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When my stockings wrinkled, I could always remember Margaret Halsey's crack in "Some of My Best Friends Are Soldiers." Something about war-time hose feeling like you had painted your legs with molasses and it was beginning to run down. And I had patches enough for the shorts of the man of the house.

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To be sure, one son disconsolately accepted a 4-F dictum — which was not easy. A lot of 4-F-ers can tell you it wasn't. One son accepted his 1-A classification the very day he received his high school diploma.

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He put on his uniform and went thru all the things from homesickness, summer hikes in Texas with full packs, rumors of "we will be shipped," "we won't be shipped," buzz bombs in the Battle of Antwerp, a sniper's bullet hole in his truck, to sweating it out now in ETO with not enough points to send him whistling home right away.

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Yes, we were a lucky family. But so are thousands of other families who are going on in comfortable Iowa farm and small-town homes, once more safe from all but our own mistakes — the mistakes that a democratic, well-cared-for people can so easily make.

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The families whose sons will not come back, the families whose lives have been disrupted by war jobs and assignments, the people who have grasshoppered away their war-time profits—it's not so good for them!

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The families all over the world without homes, food, shoes, fuel or stockings that creep like molasses—well, it's no wonder that the swings and cycles of history give them the feeling that the time is ripe to try Communism. They're fed up on everything else they've had, and who's to convince them that Communism probably won't work, either?

❦ ❦ ❦

However, this matter of my going quietly on in a normal routine is mostly hooey. We still say: "Never a dull minute around this place." Just listen to this, and let it be a lesson to you: Don't leave the farm and grub away fixing up a home. Don't let your m. of the h. get to teaching school—and liking it!

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First thing, he'll up and take another job in a little bigger school in a little bigger town, and you'll move away from the little house you have labored over into a little bigger house —where none of the curtains fit, and it's fifteen steps upstairs.

❦ ❦ ❦

Well, if he does and you do, here's hoping your new wide street has big, comfortable old houses on it, pretty lawns, and truly magnificent trees, as our new one does. And may there be as good grapes on the vines as we've found here, and as big closets —upstairs, not on the vines.

❦ ❦ ❦

And don't think it is going to be funny to leave—even temporarily—the community that has been home for so many years that you rate as one of the Old Settlers.

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CLABBER GIRL

Baking Powder

COOKERY CORNER

Kidney Beans With Frankfurters

2 cups of kidney beans
2 slices of bacon
1 teaspoon of salt
1 onion, minced
¼ cup of molasses
¼ teaspoon of dry mustard
¼ cup of catsup
½ cup of hot water
4 frankfurters, sliced

Wash and soak beans overnight in water to cover. Drain, re-cover with water and cook slowly for two hours. Combine cooked beans, diced bacon and onion in a greased baking dish. Combine remaining ingredients and pour over the beans. Bake at 300 degrees for two hours, adding more water when necessary. Arrange frankfurters on top of beans and bake 30 minutes more at 350 degrees F.—Mrs. W. L., Iowa County, Iowa.

Ginger Snaps

1 cup of sugar
½ cup of lard
1 egg
1 cup of molasses
1 teaspoon of soda
3½ cups of flour
¼ teaspoon of salt
1 tablespoon of ginger

Cream sugar and lard. Add well-beaten egg. Combine molasses and soda and add to mixture. Sift together flour, salt and ginger, and mix carefully with other ingredients. Chill; then roll into balls size of a walnut. Put quite far apart in pan and bake in a 375-degree oven. Burn more easily than ordinary cookies. Look like those bought in stores, but are more delicious.—Mrs. Georgia G. Gill, Fremont County, Iowa.

Kenneth White, Henry county, Iowa, finds that it isn't hard to do errands when you can ride horse-back.

Butterscotch Rolls

1 cake of quick yeast
¼ cup of water
1 cup of milk, scalded and cooled
7½ cups of flour

Dissolve yeast in one-fourth cup of warm water, add the milk and flour, beat well, cover and let stand until light. When light, add:

½ cup of sugar
¼ cup of butter
2 egg yolks
¼ teaspoon of salt
Enough flour to knead till smooth

Cover and let rise until double in bulk, roll into a rectangular shape, spread with butter, sprinkle with sugar and chopped pecans, and roll like jelly roll. Cut into pieces about one and one-fourth inches long, bake in muffin tins, in bottom of each tin placing two teaspoons of brown sugar and four pecans. Let rise, bake at 325 degrees F., to prevent brown sugar from scorching.—Georgia Romig, Antelope County, Nebraska.

Fudge Cake

2¼ cups of flour
1 teaspoon of soda
1 teaspoon of combination baking powder
½ teaspoon of salt
½ cup of shortening
¾ cup of sugar
¾ cup of white syrup
1 teaspoon of vanilla
2 eggs, beaten
1 cup of sour milk
½ cup of cocoa
½ cup of hot water

Sift together the flour, baking powder, soda and salt. Cream shortening, sugar and syrup, blending well. Add eggs and beat until fluffy. Add flour mixture alternately with sour milk. Mix cocoa and hot water to a smooth paste. Beat into batter. Add vanilla. Pour into two large cake pans and bake in oven at 350 degrees F. for 30 to 35 minutes.—Mrs. W. L., Iowa County, Iowa.

Molasses Cookies

1 cup of sugar
1 cup of lard
1½ cups of molasses
½ cup of boiling water
2 teaspoons of soda
2 teaspoons of ginger
2 teaspoons of cinnamon
2 teaspoons of cloves

Cream sugar and lard thoroly. Add molasses and mix. Add soda dissolved in hot water. Fill a cup of flour and add the ginger, cinnamon and cloves. Stir into the above ingredients, mixing well. Then add enough flour to make a stiff cooky dough. Roll out thin on a floured board, cut with a cooky cutter, sprinkle with sugar, or put a raisin in the center of each. Bake in a moderately hot oven. This is a very old cooky recipe.—Mrs. A. W., Scott County, Iowa.

Pumpkin Pie

1½ cups of pumpkin
¾ cup of brown sugar
2 cups of rich milk (part cream may be used)
1 tablespoon of sorghum (optional)
1 teaspoon of cinnamon
½ teaspoon of ginger
Dash of salt
2 beaten eggs

Pour in pan lined with dough and bake in a 350-degree oven.—Mrs. E. P. Hoy, Monona County, Iowa.

Rhubarb Surprise

4 cups (about one pound) of rhubarb, cut in pieces
½ cup of water
¼ teaspoon of salt
½ cup of honey
1 package of flavored gelatin dessert
½ cup of cold water

Bring rhubarb, water and salt to a boil and simmer five minutes, or until rhubarb is tender. Remove from fire. Add honey and gelatin to hot rhubarb mixture and stir until dissolved. Add cold water. Pour into molds and chill until firm. This dessert has just an interesting tartness. It is nicest if topped with whipped cream or custard sauce when served. Serves eight. — Mrs. Roy A. Fay, Black Hawk County, Iowa.

Prune Cake or Pudding

½ cup of shortening
½ cup of sugar
½ cup of syrup
2 eggs
1 cup of cooked prune pulp
¾ scant cup of prune juice
¾ teaspoon of soda
1 teaspoon of combination baking powder
2 cups of flour

Bake this mixture in a long, shallow pan, 9x14 inches, The topping for this cake, when baked but still warm, is as follows:

½ cup of sugar
½ cup of syrup
¾ scant cup of prune juice
1 tablespoon of butter
1 good heaping teaspoon of flour

Cook like pudding and spread on cake while still warm.—Mrs. Fred H. Dammeier, Jasper County, Iowa.

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Try This Mother's Best Recipe

HOME MADE BREAD

4 cakes compressed yeast
1 cup lukewarm water
6 tablespoons sugar
1 qt. skimmed milk
4 tablespoons shortening
About 14¼ cups Mother's Best
7½ teaspoons salt

Mix yeast, water, sugar. Scald milk, add shortening. Cool to lukewarm. Add 6 cups sifted Mother's Best. Beat smooth. Add yeast. Beat. Cover, let rise until bubbly. Add flour, stirring. Add salt. Turn onto remaining flour on board. Fold flour into dough. Knead to a smooth, stiff, easy-to-handle bread dough. Place in greased bowl. Grease surface. Cover. Let rise until light. Slap dough on board to break large bubbles. Knead smooth. Cut in 3 pieces for loaves 5" x 10". Knead, shape, place in greased pans. Grease surface. Let rise until light. Bake at 375 F. for 50 min.

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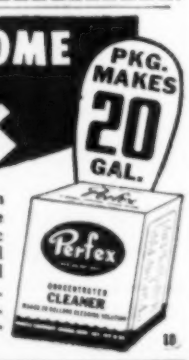

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"Green With Envy"

To the Editor: You will no doubt be curious as to how a copy of Wallaces' Farmer and Iowa Homestead drifted into the hands of a cliff-dweller in San Francisco. You will possibly ask how this female urbanite happened to read your Homemaking Department, and the comments of Nelle F. O'Neil on the attitude of city women toward farm women.

More than anything else, you will probably wish I had the good grace to sign my name to these impressions. Unfortunately, I can not. But I do want to tell Mrs. O'Neil to relax—thoroly relax.

Naturally, city women are envious of her today, and not without some justification in the very arguments Mrs. O'Neil set forth herself. But the real basis of our envy lies elsewhere, and perhaps it would be well for a farm woman to hear our logic.

Perhaps it is just a myth that the youngsters have a better chance of growing up to be normal, well-adjusted human beings in the country. Perhaps it depends upon the parents, the home, the schools, and precisely the same elements that count so very much in the city.

But we city women happen to believe that "myth" about the country. We are worried about our city children, their preoccupation with excitement, their casual attitude toward responsibility, their frightening arrogance.

We watch our city children growing up, playing in the streets, mixing with neighbors we can not choose (with the critical housing shortage we are glad to have a roof over us), and we long passionately for the country.

But we city people are not entirely unaware of the hardships of country living, we assure you. A few of us, in fact several million, have had a half-dozen hens in our back yards these past war years, to help with the egg shortage.

A few of us have raised rabbits, and we have learned the fearful responsibility of caring for animals. Our imaginations have multiplied our back yard flocks by the hundred, and we've often shivered at the added burden of responsibility.

In the city, the husband often belongs to his office, sharing little of his work-interests with his family. Home becomes a letting-down spot, a place to let off steam or to explode, or a disciplinary courtroom for judging the sins of the children.

"Home is what you make it," some one has said. Ah, yes, we are trying—my husband and I—to make it a warm, reassuring spot for our children. But with what success? Ideas are contagious, especially among the youngsters of the same age.

Our 15-year-old boy is completely consumed with the desire for a car of his own. We feel it would be a serious error to give him one so early. Yet, the son of a respected merchant across the street was so denied, only to be arrested for stealing a car last month.

Is it the same on the farm? Is a mother's heart so burdened by problems such as these? Can parasites in the poultry house actually be as frightening as the parasites of society that thrive in the cities?

Mrs. O'Neil admits that, perhaps for the first time, broiler checks are generous. You farm women will come out of the present crisis with your hearts whole (except for the battle casualties, which we all must endure), your youngsters enterprising and strong and capable, your homes solid on the rock of your mutual experience.

This, I envy. In fact, I'm positively green!—A City Reader.

WOMEN in your '40's
Do these symptoms betray your age?

Often many women between the ages of 38 and 52—are shocked to realize they are in the class commonly known as "middle-age" with its annoying symptoms which so often betray their age.

So if *you* suffer from hot flashes, feel weak, tired, nervous, restless, a bit blue at times—due to the functional "middle-age" period peculiar to women—try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms.

This Great Medicine HELPS NATURE

For almost a century—Pinkham's Compound has been famous to help great numbers of women go "smiling thru" such middle-age distress. Thousands have reported remarkable benefits!

Pinkham's Compound taken *regularly* helps build *up resistance* against such symptoms. This great medicine *helps nature* and *that's* the kind you should try.

INEXPENSIVE: Pinkham's Compound costs very little compared to some other methods but this doesn't detract from its effectiveness.

Lydia E. Pinkham's VEGETABLE COMPOUND

1932 1933 1934 1945

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There's no fading, loss of detail, or aging when you order ELKO Fadeproofed Snapshots from your druggist-dealer in your own town. As one of ELKO's 5,000 dealers he knows you're getting a better photo finishing service . . . a reliable, established, complete service. See the difference NOW—in ELKO's controlled film developing which eliminates guesswork . . . see it years from now because of ELKO's fadeproofing process. ELKO's double assurance of finer quality applies every step of the way from developing, to printing, to enlarging. So start all your snapshots off to a better finish by ordering ELKO Fadeproofed Snapshots from your local druggist.

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TO EASE PAIN OF SIMPLE PILES

Try the "Old Reliable"

For over 50 years, good old medicated Sayman Salve has been helping suffering people ease the painful soreness of simple piles. Containing not just one, but THREE well-known medicinal ingredients, Sayman Salve helps to soothe, cool and protect tender, irritated membranes, soften hardened parts, lubricate dry tissue. Acts as a comforting and palliative agent. 25c and 60c. All druggists.

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Beautiful enlargement from each picture on roll 25c. CUT RATE PHOTOS, Dept. B2, Janesville, Wis.

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EMBARRASSING, ISN'T IT?

YOU NEED **SHINOLA**

● No back talk now—you have to admit that unshined shoes are *not* a pretty sight. And the longer you neglect them—the less wear you can expect from even pre-war leather. Remember—a shine is the sign of a healthy shoe. KEEP 'EM SHINING WITH SHINOLA.

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Farm and Work Shoes

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War-Time Products

AT a community picnic, as usual, we discussed recipes over a second cup of coffee. "This sugar shortage isn't so bad; we are coming thru just fine," said Mary, and immediately gave out with her recipe for butterscotch cake made with prepared pudding.

And, because the test of the pudding is in the eating, we all sampled her cake and copied the recipe. I have since made two of them, and with praise for each. Here's how it goes:

Into an electric mixing bowl, put one-half cup of lard, two eggs and a cup of dark syrup, and beat for five minutes. Add a package of butterscotch pudding and three-fourths cup of thin sour cream or milk. Into this, put one-half teaspoon of soda.

Into two cups of sifted flour put one teaspoon of combination baking powder. Combine them, beating well, adding one and one-half teaspoons of vanilla, and bake in a moderate oven. Syrup cakes have a tendency to burn easily, so watch extra carefully.

For topping, use one-half cup of sweetened condensed milk, with one square of chocolate, boiling it about three minutes, or until thickened.

Even big son, who likes white cake made with sugar, said: "Mom, that's sure good cake," and reached for another piece.

When the Children Leave Home

To the Editor: Pages have been written about how to wean Mother when the children become old enough to be independent.

Instead of cutting the ties that bind, and sometimes chafe, why not substitute mutual adult interests for the smothering authority Mother may have exercised in the past?

If the daughter is in college, brush up on your old psychology course or do some intensive reading on the one you never managed to get. If there is a musician in the family, try winning some records in a radio contest.

Learn all you can about the technical part of your son's service job. Ask questions. His letters home may sound like a review for the next day's quiz, but they will serve a double purpose.

Of course, if he is studying Japanese, you may not be able to keep up. In that case, don't be a managing mother and try to make him change his course to landscaping.

Give up, and resort to scrap books for your hobby. Or write letters to "Dear Editor."—Milo M. Williams Hardin County, Iowa.

Cook Pork Products Thoroly

ONE hundred and thirty persons were involved in an outbreak of trichinosis in Cedar county, Iowa, last winter. A report of the United States Department of Agriculture traces the source to locally manufactured and non-federally inspected smoked sausage, or "mettwurst."

The trichinae are minute worms. When ingested with the pork, they are taken all over the body with the blood and lymph, finally settling in the muscles. There they become encased as small, hard cysts. About 5 per cent of human cases are fatal.

Prevention is easy—thoro cooking of all pork products before eating them. Only about 1 per cent of all hogs have been found to be affected with trichinae, when properly fed, compared with 6 per cent of those fed raw garbage. But, in any case, it pays to be on the safe side.

STREUSEL COFFEE CAKE *Easy* with RED STAR YEAST

Here's a quick . . . easy . . . recipe . . . thrifty of sugar and shortening . . . and with a new topping that uses *no* sugar. See how easy it is—even for young cooks—to make this delicate coffee cake the Red Star way. Be sure to use Red Star . . . the yeast cake that's *really fresh* . . . the yeast cake that's *bigger* for *faster* rising!

TRY Kay Rogers EASY RECIPE

1 cup milk
1 cake Red Star Yeast
½ cup sugar
¼ cup shortening
1 teaspoon salt
2 eggs, well beaten
3½ cups sifted all-purpose flour

Scald milk. Cool to lukewarm. Dissolve yeast and 1 tablespoon sugar in lukewarm milk. Stir in 1½ cups flour; beat until smooth. Cover and let rise in warm place away from draft until light (about ¾ hour). Cream shortening; add remaining sugar and salt and combine with yeast mixture. Add well-beaten eggs. Stir in remaining flour. Beat well. Spread dough in two well-greased, shallow pans (7 x 11 inches). Cover and let rise in warm place until light (about 1 hour). Add streusel topping. Bake in moderately hot oven (400° F.) 18 to 20 minutes. Makes 2 coffee cakes.

STREUSEL TOPPING: Combine ¼ cup dry cake or bread crumbs, ¼ cup general purpose flour, 2 tablespoons softened margarine or butter, 1 teaspoon cinnamon. Drizzle ½ cup double-sweet corn syrup over top of coffee cakes and sprinkle with crumb mixture.

FREE—OMAR RECIPES

WRITE TODAY for Kay Rogers Star Recipes. New Quick! Easy! Just write to: Kay Rogers, Dept. G-945, Red Star Yeast Company, Milwaukee 1, Wisconsin.

TUNE UP! TONE UP! RED STAR DRINK 2 CAKES DAILY IN ORANGE OR TOMATO JUICE

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OR DOUBLE YOUR MONEY BACK!

OMAR SAYS . . . Bake the Omar Blue Ribbon recipe printed here, with Omar Wonder Flour. Enter your cake in any baking contest. *If you don't win a prize, Omar will refund in cash double the cost of all ingredients used!*

Never has *any* flour made such a sensational guarantee! Because *no* other flour approaches Omar's record of *over 13,000 prize ribbons for bread, cakes, cookies, rolls, pies.* Ask your grocer for a sack today!

OMAR CRUSTY COFFEE CAKE

Use This Omar Blue Ribbon Recipe . . . Sugar-Saver for a Lazy Sunday

6 tablespoons shortening
⅓ cup sugar
1 beaten egg
¼ teaspoon vanilla
3 teaspoons baking powder
1 teaspoon salt
2 cups sifted OMAR WONDER FLOUR
1 cup milk

Cream shortening. Add sugar and cream lightly. Add well-beaten egg and vanilla and blend. Sift the baking powder and salt with Omar Wonder Flour. Add dry ingredients alternately with the milk and mix. Turn batter into greased round (9 inch) layer pan and spread evenly. Sprinkle with the following topping which has been blended together:

TOPPING
3 tablespoons OMAR WONDER FLOUR
⅓ cup brown sugar
2 tablespoons melted shortening
1½ teaspoons cinnamon
1½ cups chopped nut meats

Bake in moderately hot oven (375° F.) for 25-30 min. Yield: About 9 servings.

Gift Coupons Packed in Every Sack

OMAR *WONDER* FLOUR

FOR PANCAKES
LIGHT AS A COLORADO CLOUD!

RANCH HOUSE

The Only Pancake Mix with That True Western Flavor

40% HOG SUPPLEMENT
Users Report
MORE PROFITS FASTER
with
OMAR
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Now We'll Have to Cooperate, Girls! Our Boss has switched to

Kellogg's EGG MASH

Come and get it! This is the kind of feed we've been waiting for. Just what we need to really show our stuff...And when the boss starts counting the eggs, it's going to be Kellogg's around here from now on.

★ Helps Make LOTS of Eggs ★ Thrifty ★ Easy to Feed

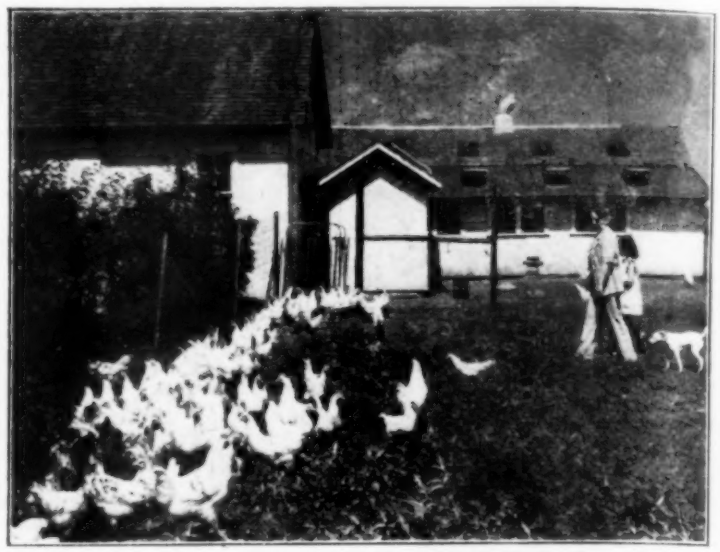
HAVE *you* discovered Kellogg's Egg Mash yet?... It's the growing favorite of hundreds of poultrymen who want *extra* eggs and *extra* profits—who know that proper feeding pays.

Kellogg's Egg Mash is the kind of feed you, too, have been looking for. It's rich in vitamins, minerals, and proteins needed to balance your grain for top production. It will help keep your birds in good laying condition — so they can stay on the job, month after month.

You can depend on Kellogg's Egg Mash to give you the same fine results from every bag. It's uniform. It's dependable. Like all other Kellogg products, it measures up to the highest standards of Kellogg quality.

Order from your local Kellogg Feed dealer today.

THE FARM FLOCK



"About the Same" Many farm women are planning on keeping about as many hens and pullets this winter as last. Mrs. Orville Williams, of Greene county, Iowa, raised 400 chicks, lost only nine. She'll keep the poults.

To Market Or To Hen House?

Farmers Wonder Whether Hens and Cull Pullets Are Worth More at Market or as Winter Layers

WHAT are farmers going to do with all their late-hatched chicks?

Never before have there been so many June and July chicks on corn belt farms. They are doing fine, but they do set up some new problems in housing and marketing.

Are the broilers all going to market in a rush in this month and next?

Are old hens going to be sold off to make room for early pullets and late pullets in the laying house?

To find out what some farmers are thinking about in this field, a representative of Wallaces' Farmer and Iowa Homestead called at 19 western Iowa farms.

None of these folks were expecting any serious troubles in marketing. Three farmers had already shipped out their cockerels. Two were about ready to sell.

The rest agreed with Mrs. Leonard Pieter, of Crawford county. She said: "I don't think we'll have any marketing problem while meat is so scarce."

Maybe farmers are leaving the worry about marketing up to the dealers.

Fiell Brockman, who has been buying chickens for 10 years out of Schleswig, still goes out to pick up purchases. Recently, he converted his roadster into a pick-up truck.

"Last year, I was booked for two weeks ahead of time," he reported, "and often made four or five trips after supper. I don't know how I'm going to do much more this year."

Mrs. Vernet Soenksen had 150 early cockerels. She dressed 100 for a Denison store, and sold but 11 at live weight. If red points continue right, Mrs. Soenksen's sales may indicate what some other owners of late hatches will do.

But on most farms marketing customs will be little changed. Poultry will go to dealers rather than town customers.

Mrs. Henry Ruberg had a typical explanation: "I'm alone, and so it is too much work dressing chickens for sale. Besides, I don't drive, and delivery would be difficult."

A lot of last spring's hatch will stay right on farm tables. There is no meat shortage on the farms, but all rural homemakers plan on using poultry often in their menus.

This may be in the form of all-winter fries from late hen hatches, as on the Frank Nicholson farm, or from the locker, or canning jar.

Five families are certain of storing poultry in the locker for their own use. None is planning to store in the locker for winter sales to town customers, tho that has been done in Iowa.

Six families will be canning chicken. Some of this processing will be done at the Denison Community Canning Center. The three Peterson families south of Schleswig will be putting up a lot of pickled chicken. The poultry is cooked and preserved in a water-vinegar-spice brine.

Not only were the original hatches high, but livability records could not be better than on a typical Crawford county farm. Only on three of the 19 farms visited were complaints heard.

One, with a hatch on the last day of March, found bucking the cold, damp weather of April—and also of May—just too much.

She said: "Didn't lose so many. Trouble was lack of sunshine, and supplementary feeding of cod-liver oil didn't help. There was some cannibalism, too."

A second flock had an attack of coccidiosis. Altho mortality wasn't high, there were too many runts, small and featherless birds, left in the flock. A third family had skunk trouble—there were 174 left out of 200 when the varmints got thru.

Some of the livability records are striking. "Only nine lost out of 300 in the first two months"; "Our 252

SELL HENS?

Should farmers sell off the rest of the old hens now, cull the pullets and prepare for smaller egg production next winter?

If army-navy buying drops off, and unemployment cuts civilian buying, egg demand next January might be 15 per cent under January of 1945.

If exports shrink, another 15 or 20 per cent drop in demand is possible.

Strong prices for eggs next January depend in great part on the volume bought for export. Unless export demand increases sharply, late winter should see a decline in egg prices.

Unless a farmer wants to gamble on the chance that there will be heavy relief shipments of eggs to Europe, this is a good time to cull close.

are doing real well, living as well as growing; only four died." Another had lost but four out of 450.

Here are the accidental causes: While pushing a glass waterer under the brooder curtain, a baby chick was enclosed in the hollow under the quart waterer; one got crushed with a feeder, and a third drowned.

High livability records can not be traced to any one thing. Seven electric brooders were used, compared with 10 oil. One poultry raiser still set hens. Some good records came from highly bred and mated flocks.

Twelve folks had heavy birds, and of these eight expected to market at from four to five pounds each. The other four will hold until six pounds. Leghorns go at from two and one-half to four pounds. Mrs. Richard Backhaus has had Leghorns get as high as five pounds.

Crawford county checks with national estimates on late hatches. The 19 families received their chicks as follows: February—one; March—three, April—five, May—seven, June—one, and two got both early and late hatches.

A call was made at the Harry Wellendorf farm, where a poultry plant was standing idle that could easily house 2,000 hens. Wellendorf said: "We made good money in years gone by. I could spend more time with chickens then." With help short, he is concentrating on cattle.

Mrs. Leonard Dieter separated the roosters and pullets early. By feeding the cocks more heavily, they would be marketed before any possible bad weather this fall. She also planned to cull her pullets, feeling if she did not that there would be a waste of feed, time, space and money.

Mrs. Dieter has come to believe in "having fewer chickens and giving better care. One can get as many eggs from 200 pullets with good care as from 400 half cared for."

Ten families were checked for type of winter flock. Only two planned to have all pullets. Two others definitely will keep over old hens, but in separate houses. Indications were that the six with mixed flocks would closely cull the hens before putting them with pullets.

Clara Blume had in midsummer culled her hens once. Her poultry house is divided into two rooms. When it comes time to shut the pullets up, they will go in one room. Before they are turned out again to mix with the hens, the hens will be culled a second time.

One dealer said: "I don't think we will get the poultry we had last year. Points are so scarce, people are buying chickens before we get a chance. We weren't swamped with old roosters in May and June, like other years. The hen market is off now. People are keeping their layers."

Mrs. Frank Nicholson gave the farm angle on this point: "There will be housing on our farm for late roosters, pullets and old hens if we have to. We'll sell the hens soon, but I still get 80 eggs a day, and will not sell until they slack up."

If this hold-back is widespread, there may be more of a fall jam in marketing than some folks expect.

On nine farms, this question was asked: "Do you think the quality of poultry and eggs is recognized when marketed?"

On six farms, the answer was "No." "Just healthy is all the dealer cares," said one farm woman.

A woman who raises six-pound springs at four months said: "Town people would growl if I charged more for my fast-growing, tender birds." Another: "I don't like to eat or sell scrawny stuff, but dealers must get a lot of it."

A couple who paid $35 per 100 for pullets from a trap-nested, high-laying flock said of quality: "Goodness, no! An egg is an egg in Iowa. It doesn't matter what the hen is. There is no effort to breed for quality and production."

Up until the war's end, farmers were urged to raise more and more chickens for meat and eggs. Now, some of the official guessers on the market's future are wondering if farmers may not have too many laying hens and pullets next January.

So long as the poultry market is strong, it looks like a good time to sell broilers, old hens and cull pullets. Nobody can tell what egg prices will be next January, but everybody knows what poultry will fetch at the market now.

Farm people who keep only culled pullet flocks for winter laying may come out ahead.

Cull the Pullets Chicks are a big business on this Carroll county, Iowa, farm, where 3,400 were raised this year. Farm Manager M. L. Sjoberg looks after 11 brooder houses and six summer range houses. Pullets are culled before they go to the laying house.

KEEP PRODUCTION UP!

Use feeds scientifically fortified with

On feed tags look for "D"-Activated Animal Sterol, originated by Du Pont.

FACED with drastic shortages of all meat products, the nation's housewives have logically increased their use of eggs and poultry meat.

To meet this demand, poultry raisers must not only increase the size of their flocks where possible, but strive for maximum production from every bird and top livability of the entire flock. Vitamin D is an essential ingredient in the poultry diet to achieve these objectives.

The scientific source of Vitamin D, used by many leading feed manufacturers, is "D"-Activated Animal Sterol—originated by Du Pont, perfected through more than 10 years' research, and scientifically controlled throughout its manufacture.

"D"-Activated Animal Sterol is exceptionally stable, does not congeal in cold weather, and does not impart "off" tastes or odors. Its dry powder carrier permits thorough dispersion throughout the feed. It is always dependable, always available, always uniform in potency.

Be sure that your flock gets its Vitamin D *scientifically.* Look for the words *"D"-Activated Animal Sterol* on the tag of the feed you buy. For further information write to E. I. du Pont de Nemours & Co. (Inc.), Organic Chemicals Department, W.A.F.59, Wilmington 98, Delaware.

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CUT MORE TIMBER AND PULP WOOD *to help cut the War Shortage*
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wave of COLDS on the way

Bird with Laryngotracheitis gasps for breath, often chokes to death.

Bird with Fowl Pox has wart-like scabs on Comb and Face.

New enemies on the move to attack your flock! . . . colds, laryngotracheitis, fowl pox, roup . . . threats to health and production . . . big losses for you! Laryngotracheitis strikes suddenly, swiftly, is highly infectious. Fowl pox is widespread, almost sure to attack, and often the aftermath is worse than the pox itself. Birds that have pox seem to get everything else . . . swollen eyes, cankers, stubborn colds, roupy conditions that last for weeks and months.

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LARYNGOTRACHEITIS and FOWL POX

Both diseases are caused by tiny filtrable viruses. Both are extremely difficult to cure, but BOTH can be POSITIVELY PREVENTED BY VACCINATION . . . IF YOU DO IT IN TIME. Poultry raisers who use this double vaccination find that a large part of cold-weather loss is eliminated. It pays many times over. There is still time to vaccinate! Get Gland-O-Lac Vaccines today, for both Laryngotracheitis and Fowl Pox. At your local hatchery, drug store, feed or poultry supply dealer. Complete directions with every package.

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NOW'S THE TIME TO START A BEAUTIFUL YARD... LET ME HELP YOU..
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Flowering shrubs are the thing to begin with . . . they're perennial, and so outstanding. Get them started, then arrange your flowers to conform and blend with the shrubs.
I want to help every one who enjoys having a pretty home. Of course, I can't tell you how to landscape, without seeing your layout . . . but I assure you, you can't go wrong with **Mock Orange** and **Honeysuckle.**
This offer is a bargain. Really is. The Mock Orange is a new variety—hardy; delicately scented; pure white blossoms . . . an ornament to any lawn. The Honeysuckle is the bush form; grows six to eight feet; first to leaf out in spring; bell shaped blossoms . . . a beautiful thing. My choice of the tall growing shrubs. Many use it also as a hedge or for screening unsightly places. Each of these shrubs, alone, is priced at considerable more than you pay for both in this offer. . . .

New Fall Catalog, and Magazine—FREE

I'm going to send along my new fall catalog—chock full of ideas and suggestions that should be helpful, and also the latest issue of my own magazine Seed Sense. I haven't as many of these gorgeous shrubs this year as usual, however, and if your order arrives late I may not be able to fill it. Limit, two to a customer. Tear out and use the handy coupon below . . . enclose a quarter, stamps or coin.

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Dear Henry: Send me your Two-Flowering Shrubs offer—Mock Orange and Honeysuckle. I've enclosed 25c..... I'd like your new catalog, and magazine, too, postpaid.

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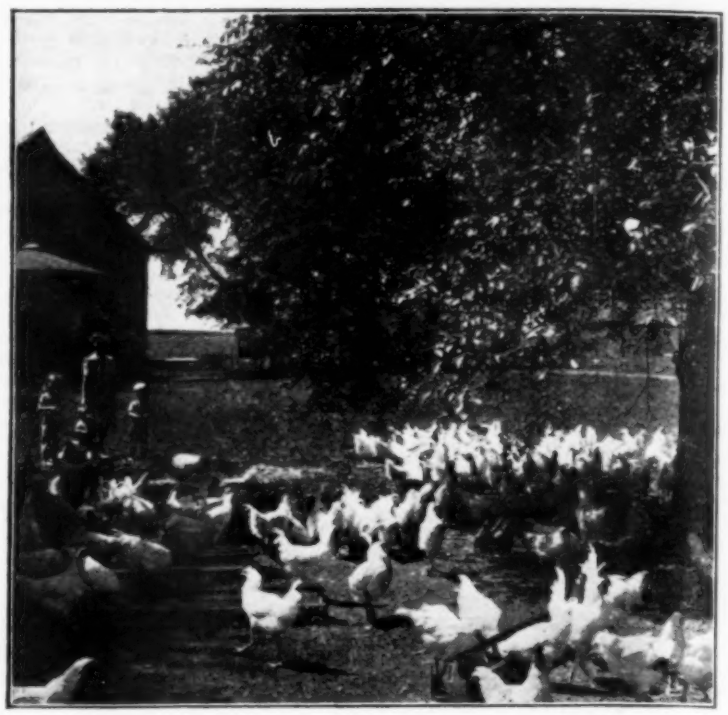


Keeps 200 Layers Mrs. Lowell Gose, Greene county, Iowa, raised 500 chicks this year. She will keep the pullets. "That's about all we have room for," she says.

Cull Those Old Hens

Keep Only Most Efficient Producers Now

To the Editor: Eggs are on the decline so far as price is concerned; that is evident. We do not welcome this news, to be sure, but the less complaining we do and the more thought and cooperation we are willing to give to the situation, the sooner it may be corrected.

At that, I believe to a degree it is a safer symptom than to have the price sky-rocketing. My home was in the city for about 13 years, and I'm sure in that period I paid 50 to 65 cents for decent eggs over three-fourths of the time, and there were times that we paid up to 80 cents for a dozen eggs.

The second year after we returned to the farm, we sold many eggs for 12 cents, and one sad day our produce buyer carried out two 30-dozen cases at 9 cents a dozen. Neither price extreme represented a healthy national economy.

I do think that it is a time to do the things which we know to do to help, and, having done that, have patience and faith to believe that time and intelligent thinking will work this problem out.

We have been asked for months in all of the farm papers to cater to pullets this year. I venture to say we would be shocked at the number of old hens which could be picked up in a rather small area. Let us send a lot of them toward market and make room for pullet flocks.

This does not apply to breeding strains and hatchery flocks, which we trust have been culled by people who know the sitaution better than we do ourselves.

When we were being called upon to produce quantities of eggs, many enthusiastic producers started late pullets, to keep the production cycle fairly constant during the year. Had I been one of these, I should put a lot of those late birds into the broiler class.

It is a pity that culling standards are not more uniform. A man who ranks high in the profession always asks us how large a flock we want to keep, and goes about his work accordingly. I said to him one day: "How many are worth keeping? Shouldn't you tell me?"

He replied: "This culling game is such a relative thing. Unless there has been disease in a flock, you simply have to strike an average. According to the flock I worked with yesterday, you would not have a cull, yet I had to leave a flock of about 300 on that farm."

I suppose if he could have had his choice, he would not have added more than one-fourth of our flock to his own. He did not tell us that.

Culling, as such, is becoming more of a habit every year, yet I am sure you would be surprised at the number of people who have no hatchery connections who never have a culler on their place. Take stock of your own flock and see how they measure up with those around you.

It is no time for casual and careless methods. A good pullet from good parent stock, well fed and well raised, at a time of the year which is consistent with production demand in your community, is still very good property.

Let us hope that poultry raisers who are well stocked with a good breeding flock will continue to give the birds the best of care, and so help protect the interests of the poultry industry during a time which could be disappointing financially.

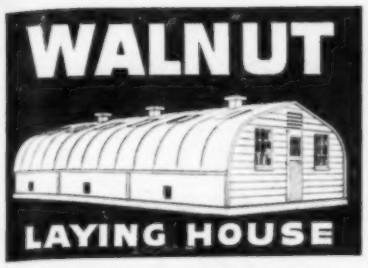
Personally, I believe patience and continued effort will be rewarded sooner or later.—M. B., Jasper County, Iowa.

Feed Problems of 1945 To Be Discussed

A one-day Feed and Livestock Conference will be held at the Kirkwood Hotel, Des Moines, September 22, beginning at 10 a. m. Officials from the USDA and Iowa State College and several prominent farmers will lead the discussion. The meeting is sponsored by the agricultural section of the Des Moines Chamber of Commerce.

Subjects discussed will be the food and feed situation, how to utilize late-maturing corn, and the price and margin situation for the cattle feeder. It is hoped that a general discussion will aid feeders in planning for the feeding season ahead.

WALNUT



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VENSULATION* Helps Produce EGG PROFITS

Provide health and comfort for your laying flock to get maximum egg production . . . Prevent dampness and extremes in temperatures—with a Walnut Pre-Fabricated House. Economical . . . Convenient . . . Easily Erected . . . Durable . . . Good Looking.

***VENSULATION** is *ventilation* and *insulation* scientifically combined to safeguard the health of poultry housed in Walnut Buildings. Write direct or ask your dealer for complete information.

GBH-WayHomes, Inc.
Walnut, Illinois

ARE YOUR HENS LOUSY?

4414

You can solve the louse problem over night with **Black Leaf 40. Spread on the roosts. It gives off fumes which kill lice and feather mites while chickens perch.**

Get the Black Leaf 40

Black Leaf 40 which is sold at almost every drug store and hardware store, as well as many other places, is easily obtained. It is the same product that is used for spraying fruits, flowers, vegetables, trees and shrubs. For killing insects on plants, it is put in water. For treatment of roosts, it is used full strength.

CAP-BRUSH SAVES MONEY

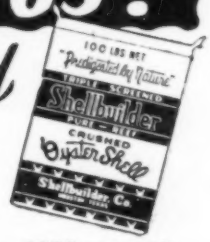
A Cap-Brush for application of Black Leaf 40 to chicken roosts is enclosed with small bottles. By using it, Black Leaf 40 can be spread very thin, thus saving in cost.

TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION
Incorporated
Louisville 2, Kentucky

LOOK FOR THE LEAF ON THE PACKAGE

Get more EGGS!

feed



ASK YOUR DEALER

Write us for FREE copy of... "The Shellbuilder Story"

Shellbuilder Co.
Dept. 3 HOUSTON, TEXAS

Walko TABLETS FOR ALL POULTRY

The reliable drinking water antiseptic. At all druggists and poultry supply dealers. 50c, $1.00, $2.50 and $4.00.
MONEY BACK GUARANTEE
WALKER REMEDY COMPANY, Waterloo, Iowa

Toxite KILLS Red Mites Bed Bugs

Spray brooder house. Kills germs. Helps prevent disease.

Spray roosts and other breeding places. Kills red mites, bed bugs, blue bugs, fleas and similar pests. Use a common garden sprayer. One treatment usually lasts for months.
FOR COLDS—Spray thick mist in poultry house several times a day and above birds at night.
Ask your dealer or WRITE
TOXITE LABORATORIES, BOX 17, CHESTERTOWN, MD.

Buy a Victory Bond Today!

Sarah Jane Says:

We're Culling Heavies

To the Editor: These hot, windy days have been very hard to endure, as we had become accustomed to a moderate climate with cool nights. We take it for granted that this weather is good for the corn. I know the sweet corn has been drying very rapidly. It gets hard quite fast and is too old to use in a few days.

The weather is good for our young chickens. They are spreading out more on the floor, and I am coaxing some of them to roost properly.

These late chicks are growing very nicely. I keep a light for them at night. They are somewhat uneven in size, but some are three days older than the rest.

Some of the chicks have such sturdy little bodies that they actually feel heavy when I pick them up. The ones on the roost look cute, too.

I hope these chicks get feathered soon, as they won't be much trouble when they learn to fly to their places on the roost.

I have been canning corn and other vegetables. I pressure cooked ten quarts of corn today. I have some peaches to can tomorrow, as they will soon be too ripe.

I have been trying to be careful to give the hens all the water they want—especially when it is so hot. They have not laid so well these hot days, but had been doing well before.

I still try to coax them to eat all the bran and milk possible. They have good pasture yet—white clover, etc.

I'm anxious to get more of the culls out—old, heavy hens that are not laying. I had to shut about a dozen hens in the prison coop this morning.

I have hunted the eggs oftener these hot days, and have them all ready to go to market tomorrow.—Sarah Jane, Warren County, Iowa.

When Hay Bucks Haul Bundles

Are tractor or car mounted hay bucks practical for hauling bundles to the thresher?

An Adair county, Iowa, farmer, in one run which used a hay buck, says there was too much waste of oats. There were streaks of green across the fields after the scattered grain had sprouted.

It might be all right under dry conditions, when shocks could be picked up entire. Not so good when bundles were wet and shocks had to be scattered first. Then bundles would stick on the points or roll under the tines of the buck.

If the load drags when bringing it to the thresher, then there is more loss. It helps to raise the load higher.

But that will cause more danger of tine breakage when traveling over rough ground, unless the weight can be put well back on the rake.

From central Iowa, it was reported that when oats are dry enough to thresh, collecting them with a buck rake shatters them too badly. The buck which was used, however, did not lift the load high enough to avoid dragging over the stubble. Unbound wisps and bundles were generally lost. Dropped bundles were collected on the next trip, but that meant further shattering. These farmers will not follow this plan this year.

A Minnesota farmer reports that hay bucks are no good for oat shocks which have remained out until the undergrowth is up around them.

From these reports, the conclusion is drawn that a hay buck is best when used for the purpose for which it was intended—to haul hay.

Quick Help
When These Worms Hold Back Your Flock

Remove Large Roundworms and Cecal Worms with *Dr. Salsbury's* AVI-TON
Just Mix it in the Mash

Convenient, Labor-Saving Flock Treatment

You *lose profits* when birds in your flock are heavily infested with large roundworms or cecal (pin) worms. Such birds *don't lay well, waste feed.* You can help these birds *easily, conveniently.* Just give them Dr. Salsbury's Avi-Ton in wet or dry mash.

Avi-Ton is *easy on the birds.* You'll feel *safer,* more *secure* if you give your flock Avi-Ton as soon as you *suspect* large roundworms or cecal (pin) worms are holding back laying.

Avi-Ton contains recognized drugs, including *phenothiazine.* Thousands of poultry raisers praise its *convenience;* its *safe, sure action.* Avi-Ton is *low in cost,* too.

Guard against heavy infestations which throw your birds off laying, *reduce your profits.* Get *genuine Dr. Salsbury's* Avi-Ton at hatcheries, drug, feed and other stores, *now.* Early treatment *pays* more—in *eggs and profits to you.*

DR. SALSBURY'S LABORATORIES, Charles City, Iowa
A Nation-wide Poultry Service

Whenever your flock needs help, ask for "Dr. Salsbury's" . . . a complete line of poultry medicines, fumigants, disinfectants, vaccines and bacterins.

For Individual Treatment: give *Dr. Salsbury's* Rota-Caps, the only treatment containing *Rotamine.* Removes large roundworms and intestinal capillaria worms. *Easy on the birds.* Preferred by poultry raisers, 5 to 1.

Buy at Dealers Displaying This Service Emblem

Dr. Salsbury's NATION-WIDE POULTRY SERVICE

Get The GENUINE Dr. Salsbury's AVI-TON FLOCK TREATMENT FOR CHICKENS & TURKEYS

Two-Fold DRINKING WATER MEDICINE

Convenient, Easy Way to Give
Your Flock TONIC BENEFITS

So easy to give your flock Ren-O-Sal's tonic benefits. Just two tablets per gallon; stir briskly. Poultry raisers *praise* this remarkable new treatment; used so successfully this spring against *cecal coccidiosis* and as a *tonic. Safe* in any waterer.

Dr. Salsbury's
REN-O-SAL
THE *TWO-FOLD* DRINKING WATER MEDICINE

WHITE LEGHORNS
UNSEXED $9.90—PULLETS $15.90
BARRED ROCKS
WHITE ROCKS
WHITE WYANDOTTES
S. C. REDS
FREE CATALOG
$10.40 per 100 Prepaid
Explaining 2 week replacement guarantee.
U. S. Approved U. S. Pullorum Tested
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SCHLICHTMAN HATCHERY, Appleton City, Mo.

STOUFFER'S STURDY CHICKS
100% Alive. U. S. Approved. B.W.D. Tested

	AA	AAA
White, Buff, Blf. Leg., Anc.	$11.90	$13.90
Wh., Buff, Bl. Rocks, Reds, Wyan., Orp.	12.90	14.90
Austra-Whites, N. H. Reds		14.90

Heavy Pullets $16.95. Cockerels $14.95. Leghorn Pullets $21.95. AAA Matings 2c chick higher. AAAA B.O.P. Sired chicks 3c per chick higher. Heavy Assorted $8.95. Lights $7.95. Thousands weekly. Prepaid delivery. Leghorn Cockerels $6.00. Collect. Get complete prices. We ship C.O.D.

SADIE STOUFFER HATCHERY
DEPT. B WADDAMS GROVE, ILLINOIS

WHITE LEGHORN PULLETS

SELECT PULLETS—CHOICE GRADE	AAA	AAAA	AAAAA	Key Flock
2 to 3 weeks old — Per 100	19.98	23.98	25.98	27.98
3 to 4 weeks old "	28.95	30.95	31.95	33.95
4 to 5 weeks old "	29.95	31.95	32.95	35.95
4 to 6 wk. open range "	30.95	34.95	37.95	39.95

100% delivery. Give express office; send M.O. Cat. Free
BUSH White Leghorns, Box 433-TD, Clinton, Mo.

WHITE LEGHORNS Unsexed $8.95 — 95% Pullets $15.45
Barred Rocks, White Rocks, White Wyandottes, S. C. Reds.
Heavy Asstd. $7.95. Cockerels $3.95 up.
$8.95 UP F.O.B. 100% LIVE Guaranteed
FREE CATALOG. 25 Breeds
Bloodtested—Egg Bred—High Livability.
Big savings on early orders. Started Pullets. Write today.
THOMPSON HATCHERY, Box 1337-T9, Springfield, Mo.

GETS-EM
THE IDEAL LIQUID FLOCK WORMER

For Tape, Round and Cecal Worms. 600 hen size, $1.75, 300 size, $2.50, 100 size $1.00. Safe for chicks or layers.

FOWLTONE For Cholera, Typhoid, Blackhead. Also a Tonic. Gallon, $2.75.

D. R. D. For Coccidiosis, Roup, Pox, Colds. Gallon, $2.75.

These products are given in the drinking water. May be used in metal fountains. At your dealer's or sent prepaid on receipt of price. Dealers wanted.

DR. JESPERSEN'S LABORATORIES
SPENCER - - - - IOWA

MARTI'S FULL 4 WEEK OLD WHITE LEGHORN PULLETS
250-350 PEDIGREED SIRED

4-WEEK PULLETS **$26.00** | Baby Cockerels $5.45

100% LIVE ARRIVAL—FREE CATALOG
MARTI LEGHORN FARM, Box T, Windsor, Mo.

HYBRID SEED CORN

Dependable since the first planting. Hybrids Iowa 939, 306, 4316, 4297, 608, U. S. 13, U. S. 35, Joslin's Special 606A, 33J, 44 B White. Dealers wanted. Price list. Write.

ALLEN JOSLIN SEED FARMS
HOLSTEIN, IOWA

RELIABLE MAN with car wanted to call on farmers. Wonderful opportunity now. No experience or capital required. Permanent. Write today.
McNESS CO., DEPT. 685, FREEPORT, ILL.

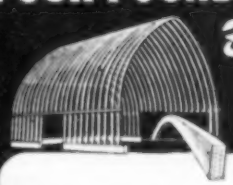
Keep Your Bonds--Buy More

"LOWE is the *LEADER* in Hybrid Corn Improvement"
Lowe Seed Company, Aroma Park, Ill.

POUR FOUNDATION BEFORE FROST!

Build this winter with

RILCO RAFTERS



● Winter building is just as successful as summer construction with Rilco Rafters. Pour the foundation now. Then you're all set to build any time your Rilco factory built Rafters are delivered. Rafters come drilled, finished and ready for erection. Measuring, cutting and fitting has been done at the factory. To erect the Rafters, bolt them together at the ridge, raise, and bolt to sill. A 34 x 60 Rilco barn has been erected by 5 men in 5 or 6 hours.

FREE! *write for* **"HOW TO RAISE RILCO RAFTERS"**
See how easy it is to erect the strongest known type of framing for Rilco barns, machine sheds and other buildings. Write for folder. Select the size and type of building. Pour foundation before frost. Good builders have more available time for winter construction.

RILCO LAMINATED PRODUCTS, INC.
15828 First National Bank Bldg., Saint Paul 1, Minnesota
Eastern Office, Wilkes-Barre, Pa.

National POWER FOR FARM CHORES

Lighten farm labor with power from long-lasting National Farmlight Batteries. Many patented features and spun-glass protection. Economical to operate. Write for full details and special trade-in allowance.

NATIONAL BATTERY COMPANY
1232 First Nat'l Bank Bldg., St. Paul 1, Minn.
World's largest manufacturer of farmlight batteries

National *farm light* **Batteries**

Service Bureau

$50 REWARD — WALLACES FARMER SERVICE BUREAU — The Sign of Protection

Thirty Days' Notice To Foreclose

I bought a farm from a life insurance company in February, 1944, and haven't been able to make the payment which was due March 1. They have sent me a notice of foreclosure and claim they can move me out on 30 days' notice unless I pay up or pay $600 cash rent in advance. Can they legally do that?

The answer depends entirely upon your contract, and the right of the seller upon your failure to perform the obligations assumed by you in the contract. The Iowa law provides that a contract for the sale of real estate can not be forfeited except upon 30 days' notice.

If the notice was properly served, you would have 30 days within which to perform the terms in default.

Directors Can Change School Boundary

Is it true that school boards can at any time combine two or three districts without a vote of the people. If so, is there any mileage limit when remapping the districts?

The board of directors of a school township has the power to change the boundary lines between subdistricts without a vote of the electors.

The board may do this at the regular meeting in July or at any special meeting called for that purpose.

The only limitation is that the division into sub-districts shall be based upon justice, equity and the interests of the people.

The boundaries of the sub-districts must conform to the lines of the established divisions of land, and any formation or alteration of the subdistricts can not take effect till after the next regular school election.

Farm Machine Tires Ration-Free

Farmers who need farm implement tires may now buy them without ration certificates. There is now an ample supply of all sizes and types of these tires.

However, farmers who use truck or passenger tires on their farm equipment must continue to apply to their local ration board for purchase certificates. Supplies of these tires are not yet sufficient to permit removal of rationing control.

Inasmuch as occupational driving needs will now be the primary consideration in issuing passenger car tire certificates, farmers will be among the preferred class.

Quotas will continue to be distributed in accordance with the importance of the uses of the passenger cars for which the tires are needed.

A moderate liberalization of the rules governing the issuance of certificates for the purchase of tires to be used for spares has also been announced. Formerly, only persons who had to operate their cars at high speeds in emergencies could obtain a certificate for a new tire to serve as a spare.

This rule no longer applies, altho the ration boards will have to limit the issuance of certificates for spare tires in order to stay within their quotas and supply the most urgent needs first.

LOOK FOR JEMCO Stove Pipe
MADE OF ST. LOUIS BLUE TEMPERED STEEL

ASK for JEMCO Stove Pipe by name. And be sure you get JEMCO—the Stove Pipe with the distinctive St. Louis Blue color. JEMCO is stiffer, better Stove Pipe—backed by over 55 years of dependable service.

JACKES-EVANS MFG. CO.
ST. LOUIS 15, MO.

JEMCO STOVE PIPE

NOW I Can Smile Again

PILES can upset and annoy you unless you act promptly to relieve the itching or burning soreness. Quick, palliative relief is possible with Thornton & Minor's Rectal Ointment, made on DOCTOR'S FORMULA as is used adjunctively at the noted Thornton & Minor Clinic for thousands of men and women patients every year. Not only will you find the soreness alleviated, but Thornton & Minor's Rectal Ointment also tends to shrink the swelling on piles not requiring surgical attention. Try this quick way to new comfort today—on a money-back guarantee. Thornton & Minor's Rectal Ointment is only $1.00 for a generous tube with applicator nozzle or $1.10 for box of 12 suppositories.

At Good Druggists Everywhere

BOOKKEEPER

MECHANIC:
Good all-around blacksmith and mechanic

FOREMEN:
Men raised on farms, experienced in the growing, feeding, and care of livestock. Especially sheep and cattle. The type who can handle men.

ALL PERMANENT JOBS

NOEL COVER, FARMER-RANCHER
COZAD, NEBRASKA

Buy a Victory Bond Today!

PIONEER GERMINATES WELL YEAR AFTER YEAR

PIONEER GROWN SOUTH FOR BETTER GERMINATION

Frost damages seed corn germination more than any other thing. As far as possible, Pioneer seed houses are located south of the area where the hybrids produced will be grown. Every precaution is taken to select fertile seed fields with fast soils. Thus—Pioneer seed fields get ripe early—are usually out of frost danger before other corn grown in the same area.

SEED HARVEST COMPLETED EARLY IN THE FALL

Pioneer seed houses are designed and equipped to handle the seed crop very rapidly. The seed harvest starts early. Each plant has been supplied with enough drying equipment so that all of the crop was harvested within a few weeks. This year Pioneer drying equipment has been increased approximately 20%. Pioneer seed corn will be handled more rapidly than ever before. Customers may rest assured their Pioneer seed corn will germinate as well as any to be had.

Better PIONEER Hybrids Come from ENDLESS RESEARCH

Kenneth N. Bailey gets third sentence to the penitentiary.

Tire Serial Number Traps Thief

The fact that car owners were required to keep a record of the serial numbers on their tires during wartime made possible the early arrest of a thief who stole a complete wheel.

The wheel, with tire and tube, was taken from the auto belonging to Fred Stalder, Service Bureau member, who operates a farm three miles north of Wayland, in Henry county, Iowa.

When Stalder found the wheel missing one morning, he made a prompt report to Henry County Sheriff H. M. Putnam, describing the tire and giving him the serial number.

The night watchman at Wayland, who had also been informed of the theft, found the tire on the wheel of an automobile belonging to a young resident of Wayland, a couple of days later.

The young man found in possession of the tire stated that he had bought it from Kenneth N. Bailey, also of Wayland. Bailey had a record of two previous convictions on thievery charges.

When confronted with the evidence, Bailey finally admitted stealing Stalder's wheel, tire and tube, as well as stealing a number of other wheels and tires in the vicinity.

Bailey entered a plea of guilty to a charge of larceny in the district court at Washington, Iowa. Judge Frank Bechly sentenced him to serve not to exceed five years in the state penitentiary at Fort Madison.

A Service Bureau reward check was sent to Stalder for the conviction of this third-offense thief.

Income Tax on Sale Of Farm

I'm thinking of selling my farm, which I bought in 1913, but am discouraged by some friends who say I'll have to pay a large income tax on the profit. If true, can you tell me roughly how the tax is figured?

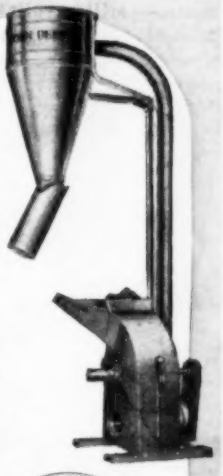
Assuming that you are living on and operating the farm, the profit would be considered a capital gain, but since you have owned the farm more than six months, only 50 per cent of the gain is considered for taxation purposes in figuring federal income tax.

Income tax is figured on the total net taxable income from all sources during the year. The normal tax is 3 per cent and the surtax starts at 20 per cent, with increasing rates as the total income mounts.

If you have sufficient income (other than profit from the sale of the farm) to make payment of income tax necessary, you can figure that the tax will take at least 11½ per cent of the profit (23 per cent on 50 per cent of the profit).

If your livestock have been passing up coarse roughage and other homegrown feed, you can turn it into more palatable feed . . . food that "sticks to the ribs", makes more meat and better milk products . . . by chopping it by machine at low cost. With a John Deere Roughage and Feed Mill you can chop roughage and hay, grind ear and shelled corn, and mix feed. You can fill a trench or upright silo quickly and easily.

One of these machines will handle all your feed-making jobs with speed, efficiency and economy. With it you can reduce feed costs and improve the quality of your meat and milk products.



Quality Features Mean Longer Life

Years of satisfying, low-cost service from these mills are assured by John Deere high standards of quality. Note these features:

Specially-designed cutterhead, long-lived, heat-treated hammers, hardened cutterhead knives, big capacity traveling feed table, governor-controlled feeder, force-feed hay roll, long lived drives, all parts readily accessible.

John Deere Roughage and Feed Mills come in 10- and 14-inch sizes with sacking attachment or wagon box spout.

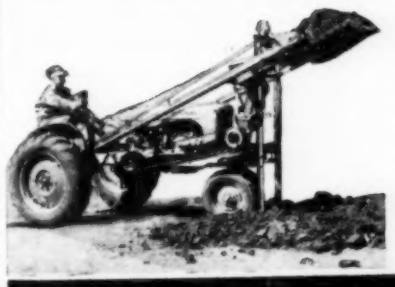
For Straight Grinding

You'll be money ahead by owning a John Deere 6-, 10-, or 14-inch Hammer Mill for straight grinding of grain, ear or shelled corn, dry hay and cured fodder. Simple, long life construction, fast clean work and trouble-free operation are features of these famous mills.

See your John Deere dealer about your feed-making needs. He'll do all he can to help you.

JOHN DEERE HAMMER AND ROUGHAGE MILLS

MASTER TOUGH BARNYARD JOBS with the WORKMASTER

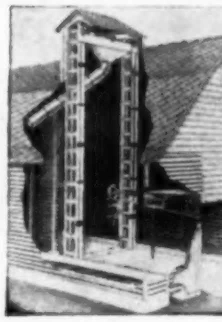


● The *Workmaster* loads manure, stack bottoms, commercial fertilizer, feed sacks. Lifts logs, ties and even small buildings. Digs in any ordinary soil. The new, improved *Workmaster* scoop has suction built into teeth, similar to plow share, to aid in controlled penetration. Here's a tractor attachment, easily mounted and dismounted, that will save you many hours of back-breaking work each year. Can be converted into (or from) a *Haymaster 10*, depending upon which machine you own first. Write for facts about the *Workmaster*, *Haymaster 10* . . . and special *Workmaster* attachments, the Bulldozer and Buck Rake. Address Dept. WF-1.

NEW METHOD EQUIPMENT COMPANY
INDIANOLA, IOWA

SAFETY FIRST!! Do your buying from firms advertising in Wallaces' Farmer and Iowa Homestead. If you do not find in Wallaces' Farmer and Iowa Homestead the articles you want to buy, just let us know what you want and we will be glad to give you names of reliable firms.

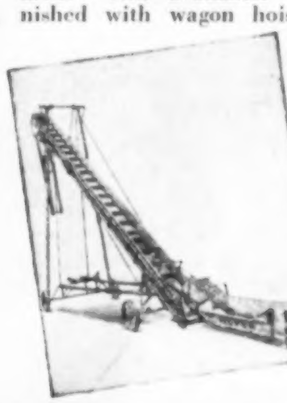
Meyer FARM ELEVATORS
BUCKET AND PORTABLE
LARGEST CAPACITY . . HEAVY DUTY



MEYER—"The Elevators of Perfect Service". Leaders of the corn belt for over 30 years! Dependable performance and extra value are "built right in". Even though MEYERS are limited this fall, they're worthwhile waiting for. No other Elevator like MEYER.

MEYER CUP ELEVATORS

Positively the most sturdy and strongest Elevators built. No short turns. Choice of chains. Elevates 50 bushels in 3 minutes. CROSS-DRIVEWAY model which made MEYER famous — still available. Furnished with wagon hoist or Combination Truck and Wagon Hoist. Many models to choose from including single leg. Write us your crib and elevator problems and if possible, will help you get an Elevator.



NEW MEYER PORTABLES

Made from GALVANIZED STEEL. Extra heavy. WIDEST and BIGGEST Capacity. Bridge-trussed cross braced. Everyone now wants an Elevator that handles BALED HAY. Elevates ear corn, small grain, soy beans, etc.

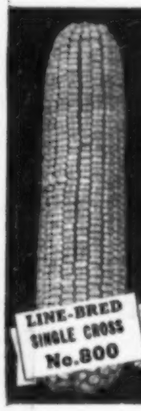
Free Send for FREE crib BLUEPRINTS with list of materials. Also Catalog showing all MEYER Elevators. Write today.

If you are a MEYER user now, check your elevator for parts needed and order early through your dealer or write direct

THE MEYER MFG. CO. BOX 1765 MORTON, ILLINOIS

McCURDY'S FREE CATALOG

SINGLE CROSS AND DOUBLE CROSS *Hybrids*



Over 20 different hybrids. Earliest to latest maturity — Thoroughly Tested — Scientifically bred — Properly sorted and dried — Accurately graded. Outstanding Line-Bred SINGLE CROSS Hybrids that grow uniform plants and ears. Finest corn you've ever seen. Stands better — picks easier, and yields better. Proven superior DOUBLE CROSS hybrids. All high yielding varieties of excellent grain quality. Big, new colorful catalog gives complete information about growing, processing and varieties. Write for free copy today.

SINGLE CROSS VARIETIES ADAPTED ANYWHERE IN THE MID-WEST

AGENTS-DEALERS: Attractive dealerships available in territories where we have no representatives. Earn more with the complete McCurdy line. Write today for details.

W. O. McCURDY & SONS DEPT. 105 FREMONT, IOWA

We started 400 White Rock chicks on Moorman's Poultry Mintrate "40". We lost only 14 chicks. Some weighed 1 lb. at 4 weeks. At 8 weeks—many weighed 2 lbs.
Mr. & Mrs. Emil Dedert, Adams County, Illinois

FOR GOOD *Results* FEED **MoorMan's**
Moorman Mfg. Co. Quincy, Ill.
MINERAL FEEDS AND CONCENTRATES

BUY VICTORY BONDS—BRING THE BOYS BACK HOME

Voice of Farm

Checks Up On Our Frost Dates

To the Editor: In your last issue, under the head, "Could Get Frost Soon," you state that the earliest killing frost in 45 years was September 12, in 1902.

In this locality (Buchanan-Fayette counties, in Iowa), we had a killing frost on the morning of August 27, 1915. At least 75 per cent of the corn was killed.

Also, you say that 1901 was an early frost year. In this locality, that was one of the hottest as well as one of the driest summers we ever had. What corn was not burned up was as hard as flint long before the frost came.

We do not get hard corn in an early frost year. I never knew of an early frost year after a hot, dry summer.—M. E. Leehey, Buchanan County, Iowa.

Killing frost did hit northeast Iowa in the last days of August, in 1915. But all other stations reported no frost until October 9. We were giving the earliest date for a general killing frost. First killing frost date for 1901 was October 4, in northeast Iowa, but, strangely enough, it was an early frost year in southern Iowa. Page and Shelby county stations got a killing frost on September 18, 1901.—Editor.

Who Is "Indigent" and "Incompetent"?

To the Editor: In regard to social security, old-age pensions, unemployment relief and the whole kit and "passel" of projects for government support of the indigent and incompetent, my reply would be:

This independent USA was not built by people who depended on the government doing their hard tasks for them. Neither will it be maintained and preserved by such people.

When we turn the job of our support over to the government, we become wards of the government, and not free and independent U. S. citizens.—Roy Garschier, Black Hawk County, Iowa.

A man who qualifies under social security for an old-age annuity is neither indigent nor incompetent. He must have earned good pay for quite a while, and must have contributed part of it to the social security fund before he gets his pension.—Editor.

Why Not Buy a Farm That's Paid Up?

To the Editor: Your editorial on buying bonds, insurance, annuities is O. K. as far as it goes.

But what is the matter with a paid-up farm? A paid-up farm, even if bought high, won't hurt any one.—G. V. Leffler, Van Buren County, Iowa.

If bought high, it will raise the price on other farms for other buyers who can't pay all cash and must give a mortgage.—Editor.

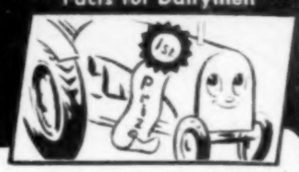
Henry Wallace and the Farm Program

To the Editor: The only thing I had against our late president was that he could have renominated Wallace for vice-president if he had just said so. But that's all over now.

Personally, I consider Henry Wallace one of our great men. He certainly is the father of our farm program.—J. H. Sheridan, Kossuth County, Iowa.

The big end of the farm program now is getting plenty of jobs in cities. As Secretary of Commerce, Henry Wallace is working on that. —Editor.

TRUE or FALSE?
Facts for Dairymen



QUESTION: On the average farm, the tractor is used more than any other farm machine.
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Make your own trap that will catch thousands. Join this national campaign to remove these pests. Write for details.

Ray Vail, Howe 21, Indiana

First Aid for Stock

Can Vaccinate For Shipping Fever

To the Editor: Cattle often are vaccinated for shipping fever just before going out of the yards for shipment. Is this beneficial?—B. C., Crawford County, Iowa.

Yes, if immune serum is used. This gives an immediate resistance to the disease, but it lasts for only a few weeks.

To give longer immunity (up to 12 months), the bacterin or aggressin is used. But these products do not establish immunity until 10 days to two weeks following injection.

During the intervening period, the animal's resistance may even be lessened. So, with these, the rule is to vaccinate stocker and feeder cattle 10 days before shipment.

Shipping fever, in medical terms, is hemorrhagic septicemia—a very infectious disease. First symptoms are high fever and refusal of feed. The animal may cough, run at the nose and eyes, and appear gaunt and stiff. In a few days, it may develop pneumonia and die. A chronic case may run several weeks.

The development of small blood spots or hemorrhages under the membranes lining the nostrils, and elsewhere, gives the disease its name. Bloody mucus comes from the nose. Swellings may appear around the head and throat. Muscular trembling may be evident.

Its varied symptoms may confuse shipping fever with other diseases, such as blackleg, or various forms of poisoning. So diagnosis by an experienced veterinarian is necessary.

Shipping fever generally occurs when cattle are submitted to unusual exposure and handling, especially when passing thru the public stockyards.

Calves Need All of First Milk

To the Editor: How long should calves be fed the first milk from the cow? Is one or two feedings enough?—R. L., Webster County, Iowa.

"Nature intended that the calf should get all the colostrum (first milk)," says Dr. J. G. Hardenbergh, of the American Veterinary Medical Association. He says the colostrum is 10 times as rich in protective substances as normal milk.

"The dairyman has interfered with nature to such an extent that few calves get enough colostrum to meet their needs," the veterinarian continues. "It becomes necessary to feed vitamins in concentrated or even in pure form."

Vitamin A deficiency in a calf is the cause of watery eyes, a cough, pneumonia and scours. Vitamin B deficiency leads to flabby muscles and digestive trouble. Vitamin C is needed for proper functioning of the guard cells in the intestines. Vitamin D helps to prevent rickets.

Many of these troubles can be prevented by feeding the calf its own mother's milk until the milk becomes normal.

Drying Cow Checks Abortion

When a cow that is in milk begins to show signs of incipient abortion, it may sometimes be prevented by drying her up, we are told. (Both a veterinarian and a farmer concurred in this idea.)

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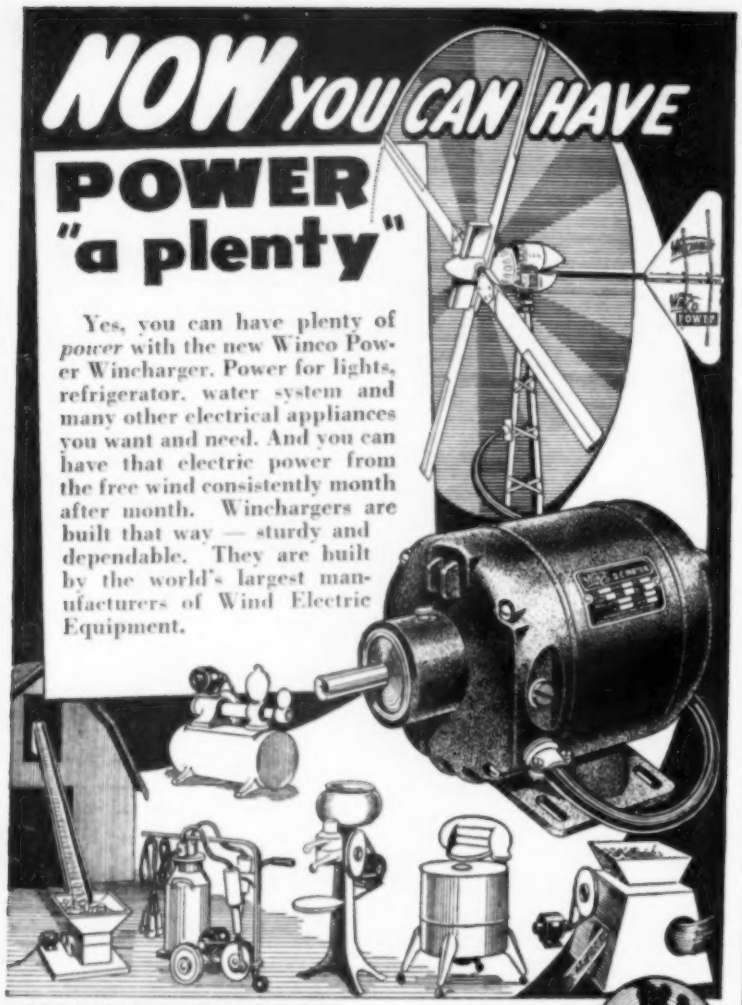

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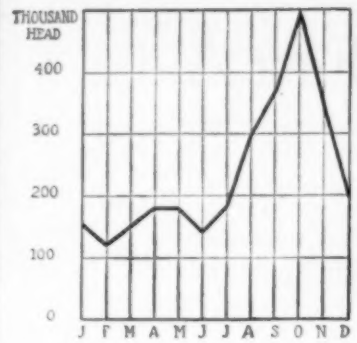

Cattle purchased as stockers and feeders by months, as a 10-year average. From Iowa Farm Outlook Letter.

Large Cattle Runs Soon

OCTOBER is the month when the greatest number of stocker and feeder cattle are bought, according to averages of 10 years before the war.

Next to October, September sees the most feeder cattle moving to farms, with November a close third. The diagram shows the approximate number for each month in the year.

This year, the cattle movement may be a little later than the pattern of 10 pre-war years indicates. Feed is good on the ranges. The meat shortage makes a bullish feeling for the immediate future, despite the end of the war.

Another factor which may influence ranchmen to hold cattle longer is the possibility of putting enough finish on them on grass so they will go as slaughter cattle.

It's possible that some of these cattle will be good enough to sell for $14.25, Chicago basis, and thus be eligible for the 50-cent subsidy.

However, market men expect a big run of cattle this fall, but the peak in numbers might come in November rather than in October. Prices are higher now than last year.

Things that might affect the cattle market and the size of cattle runs are frost on the corn and the removal of meat rationing and slaughter quotas.

Farm Net From $1.47 To $17 Per Acre

Net cash income on 2,767 cooperating farms in Illinois was $15.64 per acre in 1944, according to an extension service report.

The net cash income per acre is computed by subtracting the value of unpaid labor from the cash balance for the year, and dividing the balance by the number of acres in the farms.

In 15 years, the net cash income has varied from $17.16 per acre in the high year, 1943, down to $1.47 per acre in the low year, 1932.

Beginning with 1930, the net income per acre was $6.22. It slipped away fast in the next two years, getting down to $2.69 per acre in 1931 and $1.47 in 1932.

There was a recovery to $3 per acre cash income in 1933, followed by six years in which the cash income per acre was between $5 and $5.50. The one exception between 1933 and 1939 was 1936, when the net cash income per acre rose to $7.40.

In 1940, net cash income per acre was $6.82. It rose to $9.91 in 1941; $14.99 in 1942; the high was reached at $17.16 in 1943, and in 1944 went down to $15.64 per acre.

Net cash income per acre averaged higher on these Illinois farms in 1943 and 1944 than in the high years of World War I.

Coleman LANTERNS on the Market Again!

Genuine pre-war quality new Coleman Lanterns in limited quantities are available. Place your order with your Coleman dealer now and be among the first to get a Coleman Floodlight Lantern.

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Absorbine rubbed on swelling relieves the soreness. By speeding blood flow to injury it helps carry off congestion. Usually swelling is relieved in a few hours!

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Plow Clover Under Late

To the Editor: Will second-growth clover benefit the ground as much if plowed under after getting dry late in the fall as it will if plowed under when in full bloom?—C. J. A., Franklin County, Iowa.

Crops are plowed under for (1) the organic matter they add to the soil, and (2) for the nitrogen which the decomposition of the material will produce for the next crop.

Late plowing would likely produce more organic matter for the soil. The reason is that the longer growing season would produce a greater mass of material to be plowed under.

But the clover plowed under while the plants were young and green would contain a higher percentage of nitrogen. If the nitrogen could be kept in the soil until the plants were ready to use it, early plowing would be better for adding nitrogen.

Nitrogen, however, can not be stored in the soil. With early fall plowing, the clover plowed under will decompose rapidly and the nitrogen will be released months before plant roots can use it.

W. H. Pierre, head of the agronomy department of Iowa State College describes the results as follows:

"If the clover is plowed under in the summer, there is opportunity for it to decompose, and for some of the nitrogen to be leached out during the fall when there are heavy rains, or early in the spring.

"Late plowing," the agronomist continues, "will prevent any nitrification from taking place in the fall. There is, of course, no loss in the value of the clover just by drying."

After considering the tendency of nitrogen to leach away, the evidence favors late fall plowing, after the clover is dry, for adding nitrogen as well as organic matter to the soil.

Cut Clover In Stubble?

To the Editor: What should be done with a rank growth of clover in oat stubble? Should I pasture it, clip it, or leave it alone?—C. J. A., Franklin County, Iowa.

There is a way to handle a heavy crop of red clover in a stubble field not mentioned by our reader—cut the clover for seed. Good seed yields have been secured in years when clover grew big following the oats.

Red clover seed is scarce and the price is sure to be high. In addition, the 1945 AAA program will pay each farmer $3.50 for each acre of red clover harvested for seed, and 3½ cents per pound for all seed sold into commercial channels.

These payments for harvesting red clover seed are not limited. Each acre harvested will be paid for. It is a "special practice," to which the rule of $2 per crop acre on the farm does not apply.

However, the stubble-field clover can be pastured if the heads do not fill with seed or the owner needs pasture. The only precaution necessary is to leave sufficient growth on the land to protect the stand thru the winter season.

Clipping the new clover has been found advantageous if no other use is made of the crop. This practice reduces injury to the stand from field mice. It may also be beneficial in killing annual weeds, such as cockleburs.

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Miller Farm Welders
WITH POWER FACTOR CORRECTION

It's Ripe says Robert Boyd, Lee county, Iowa. Some pick ripe melons by thumping, some look at the curl, and some guess at it. They all miss at times.

Hogs Eat Ear Corn Silage

HOGS can eat silage if it is made from ear corn. Putting only the ears in the silo also helps the farmer who is short of silo space.

The ears have to be chopped fine to make ear corn silage, and the moisture content must be about 60 per cent. Having the silo ready when the corn is frosted, or gets down to 60 per cent moisture, will save adding water at filling time.

Corn picking machines can be used to gather the ears for putting in the silo. Some use snapping rolls only in gathering ear corn for silage.

Ear corn silage can be put in regular or temporary silos. If upright temporary silos of snow fencing or woven wire are used, the walls should be well supported with No. 9 wire.

Ear corn silage is much heavier than silage made from the whole stalk, and the pressure is much greater.

Grain silage is a much more concentrated feed than silage made from the whole stalk, so the silo dimensions should be smaller. The size should be adjusted to livestock numbers, so several inches will be fed off each day, to prevent spoilage.

Hogs will usually pick the grain out of the silage and leave the bits of husk and cob. Hand feeding in a trough or on a cement floor is recommended. For cattle or sheep, ear corn silage is much like corn and cob meal.

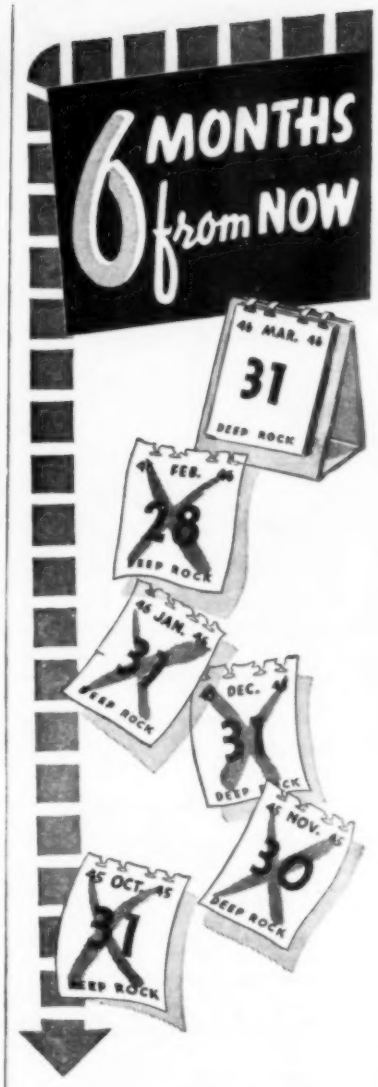
Ask Ditch Control On Roadsides

Ditch control on roadsides is a project on which farmers and county boards of supervisors might cooperate, says Walter Weiss, district conservationist, with headquarters in Shelby county, Iowa.

Roadside ditches imperil the road grade and thus add to tax-payers' costs. Fences leaning into a roadside gully cause farmers extra expense and labor.

Weiss suggests that farmers cooperate to the extent of providing land, if necessary, where the work can be done by the county in getting the roadside banks established on a smooth grade. Then the banks can be seeded to brome grass and harvested for hay, if the farmer desires.

Sodded roadsides on over 90,000 miles of county and local roads is a goal the conservationist has in mind. Such a program would be a money-saving one, it would add to the appearance and safety of the roads, and it would be a constant demonstration to farmers of ditch control methods.



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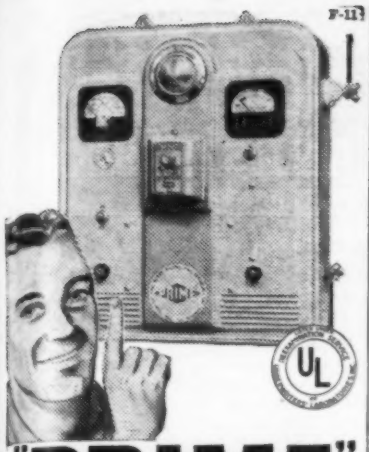

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Will Roasting Ears Ripen?

WILL corn now in the roasting-ear stage mature if frost comes at the average date, in the first week of October? Can the corn be marketed if frost beats maturity? Here's what happened to a late field in 1944.

This 1944 field, on the C. D. Cutter farm, in Page county, Iowa, was planted June 15 and 16. On September 14, the field was examined and the corn was in the roasting-ear stage. A count of the ears indicated a yield of around 80 bushels an acre.

Killing frost came on October 10. The next day, an examination was made by stripping husks from 100 ears as they came in the row. Eighteen ears out of 100 were not dented and some milk could be squeezed out of the kernels.

The corn was left in the field until February 14, when the corn picker was started. Snow stopped the husking when about half done. On March 10, husking was started again, and the corn was shelled and hauled to the elevator as soon as husking was finished.

The corn tested 17½ per cent moisture at the elevator. Earlier planted corn, that was husked in November when it was thought to be sound, tested 18½ per cent moisture at the same time. The crib of sound corn had ventilators in it.

Cutter was very much surprised at the way the corn dried out. But the yield was much less than the appearance indicated in September. He said:

"I remember that when you were here in September, 1944, we thought that field might make 75 or 80 bushels per acre. But, as the frost killed it October 10, it made only about 52 bushels. The grains were very short, and the corn, after shelling, seemed a little light."

Cutter thinks there may be soft corn this year again. "Corn in this locality is later than last year," he said on August 29. As to taking care of soft corn, his experience in 1944 leads him to say:

"I think soft corn should stand on the stalk until very late." The experience of many other farmers confirms Cutter's advice on this. If corn is to be cribbed or marketed, let it dry on the stalk in the field.

How to Get Rid of Farm Gullies

If you have a gully thru your field and want to get rid of it, here are five steps recommended by soil conservation specialists:

First, shape and straighten the draw by plowing or grading, to form a wide, flat bottomed channel with sloping banks. If practical, have the draw in such shape that a mower may be used on it later. Use discs, harrows and corrugated roller to make a firm seed-bed.

Second, apply eight to ten tons of manure per acre, and work it well into the soil.

Third, sow about twice the normal seeding of red-top and timothy per acre—that is, about 10 to 15 pounds each. Add some blue grass and Reed's canary grass, too.

Fourth, if the draw is pretty steep or if there is a good-sized drainage area above, put in check dams of straw, brush, sod strips or woven wire. Make these checks low in the center, so the water can spill over, and extend the ends well into the banks.

Finally, mow the channel regularly. This controls the weeds and will develop some profitable hay land.

If the first seeding fails, try again. Sometimes several attempts are necessary before a good sod is secured.

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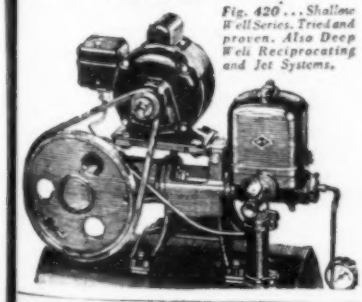

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White or grey goose $1.37. White or colored duck $1.10. Quill 15c. Send sample of used feathers for price. SOUTHTOWN FEATHER CO., 6754 S. Halsted St., CHICAGO 21, ILL.

WISCONSIN DAIRY FARMS, some with equipment. State size farm wanted. BUTLER LAND CO., Chippewa Falls, Wisconsin.

Hillis Crain, Eldon Crain, Gilbert Womeldorff, S. F. Chance examine Thompson Tomahawk corn grown on the Crain farm near Zearing, Iowa, last year. Tomahawk hybrids yielded well over 100 bushels an acre on the Crain farm.

This is Really GREAT CORN

agree these Iowa Farmers from Story County

Like thousands of other mid-west farmers, Hillis Crain and his farmer neighbors, near Zearing, Iowa, know that Thompson TOMAHAWK hybrids have about every good characteristic you could ask for in a corn. They know that TOMAHAWK hybrids have the strength to stand and grow even when conditions are unfavorable . . . that they produce large, well-filled ears that stay on the stalk yet are easily picked. There's a variety of Thompson TOMAHAWK for every soil and climatic condition. So check with your local Thompson TOMAHAWK dealer now, to be sure you will be able to get the TOMAHAWK varieties you want for your farm in 1946. Or write direct to us for free catalog.

Tune In . . .
WHO, 9:45 a.m., Sundays. Thompson Tomahawk Newstime.

WMT, 6:30 a.m., Tuesday, Thursday and Saturday, Tomahawk Farm News with Andy Woolfries.

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The Original
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Champion Silos—permanent, tight, complete
Champion Corn Cribs—safe storage
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Outstanding SILO values—built strong to hold grass silage, too. Easy to erect. CORN CRIBS to keep your corn fresh, dry and clean. POULTRY HOUSES for every flock. Also Hog Houses, Grain Bins, etc. Factory prices NOW from pioneer builders. Address
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Write for big, free 1945 catalogue; tremendous savings. Satisfaction guaranteed. Central Tractor Wrecking Co., Des Moines 3, Iowa (formerly Boone, Iowa).

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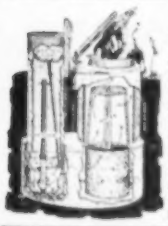

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Write for details, price and circulars

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Box 639, Mitchell, S. D.

Keep Your Bonds--Buy More

Ideal Chester Whites

Clarion, Iowa, Tues., Oct. 2nd

NIGHT SALE

60 HEAD—40 Boars, 20 Gilts

One of the best offerings to be sold this fall, from a herd that produces the proper type with ideal quality and who has made some of the top sales of the breed. They are mostly by **PORTAGE MODEL**, 1944 Wisconsin Junior champion, truly a great sire. Others sired by **THE BALANCER**, one of the best living sires of the breed; **KING TIP TOP**, a wonderful sire and **Star Lad**. Breeding unexcelled. This fine offering has been selected from over 200 head and only those well grown, with heavy hams, proper type and displaying ideal quality are cataloged. It is a sale where you can find what you want. **COME!** Ask now for the **FREE** catalog. Please mention this publication.

ROBERT NAEFKE, CLARION, IOWA

A Dispersion Sale at

Hagan HEREFORD FARM

Located just south of state line on Highway No. 65, at farm, all-weather road 15 miles north of Princeton, 5 miles east of Pleasanton, Iowa, and 10 miles west of Mercer

MERCER, MISSOURI, TUESDAY, SEPT. 25th

53 Head—9 Bulls, 44 Females

This is a richly bred lot of cattle, being sold in good, practical farm condition, ideal for the buyers. They include 9 bulls, the herd bull, **REAL PRINCE DOMINO 27th**, a splendid tried and proven sire and 8 yearling bulls just ready for service. The females include 28 desirable breeding cows with calves at side, and rebred. **QUICK-PROFIT** for those who buy. 16 yearling and two-year-old heifers. All rich in best breeding. This is a herd established 40 years ago and have been breeding Hereford cattle continuously for 40 years . . . everything sells. COME. Ask for FREE catalog. Please mention this publication.

ROSS N. HAGAN, MERCER, MISSOURI

Northwest Missouri

Shorthorn Breeders Show, Sale

In comfortable sale pavilion

Maryville, Mo., Monday, Oct. 8th

SHOW: 9:30 A. M. —— SALE: 1:00 P. M.
Judge, Wm. Milne, Jr.

63 HEAD—18 Bulls, 45 Females

This is without doubt the best lot of cattle we have ever presented and includes **6 POLLED SHORTHORNS**, rich in Ceremonious Count and Vanity Comet polled breeding. The females include 9 splendid cows with big fine calves, many rebred. 32 grand young cows and heifers mated to top herd sires and 13 beautiful open heifers. The 18 bulls most all ready for service and include bulls that will please. The auction features **GOLDFINDER, MILES OF VIEW,** and **SNI-A-BAR** breeding. Nothing finer. All conditions have drawn deep into the herds and catalog their best cattle, presented in fine breeding form. Plan to attend the Show and Sale. Ask now for **FREE** catalog. Please mention this publication. Address

W. F. BARBER, Sale Mgr., RAVENWOOD, MO.

Auctioneer, J. E. Halsey

Anastasi's Spotted Polands

HARLAN, IOWA (Night Sale), September 27

70 HEAD—40 BOARS, 30 SOWS—70 HEAD

My sale will be held at the Fair Grounds Sale Pavilion in town, so remember it will be a night sale. I am selling 40 great boars and 30 choice spring gilts. These are sired by Quality King and Spotted Challenger. Quality King was the second highest boar sold in the Miles M. Mann sale last fall. These boars and sows are out of the top sows in my herd. They are a grand, good lot from one end to the other. Write for my catalog and please mention Wallaces' Farmer and Iowa Homestead. Address

OSCAR ANASTASI HARLAN, IOWA

Charley Taylor, Auctioneer

FRIDAY'S PORK PRODUCING POLAND CHINA BOAR AND GILT SALE

MURRAY, IOWA
SATURDAY, OCTOBER 6, 1945

30 Boars—15 Gilts

Strictly the farmers' type, low down, long heavy wide bodies. Heavy hams. Bred for years to be that kind. Greatest offering in our 50 years. Write for catalog.

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THURSDAY, SEPT. 20
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65 head fresh and springer cows and heifers and some calves

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MR. HOGG:
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MISS PIG:
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Sure enough—when your barn's a hospital, keep plenty of Dr. Porter's Oil on hand. Veterinaries recommend it. Good for minor barbed wire cuts, bruises, halter burns, scalds. Can't blame the boss for using it too. Use exactly as directed.

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5 Bulls — 55 Females
High Record Bulls
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Bred Heifers—4-H Club Calves

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MONDAY & TUESDAY

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Use a better boar this fall. The kind that meets peacetime demands for an earlier maturing hog, with more lean meat and less outside fat and lard. The Berkshire has sired the last 10 Grand Champion carlots at Chicago . . . Show on Monday open to pigs farrowed after January 1st. Entries from best herds in Corn Belt. On Tuesday at 1 p.m. the 40 prize winning boars and 40 open gilts sell at the Fair Grounds. Plan now to attend. Use a Berkshire boar this fall.

AMERICAN BERKSHIRE ASSOCIATION, Springfield, Ill.

Quality Duroc Swine!

Sale at farm located 7 miles south on highway No. 14

MONROE, IOWA, THURSDAY, OCTOBER 4, 1945

30 TOP BOARS—20 EXCELLENT GILTS

The greatest lot of boars and gilts we have ever sold at auction. The thick, heavy-hammed kind with real quality. Sired by **PROUD ADVANCE, FOUR KINGS, FOUR SQUARE, LOW SET, CIMARRON, TOPS EQUAL, SECO SPECIAL** and **TOPS LEADER.** Some outstanding boars and gilts by **PROUD ADVANCE,** one of the most popular Junior yearling boars of the year. Two excellent boars by **FOUR KINGS** and out of the great sow, **Cherry Lady,** 1941 Iowa Grand Champion and the **All-American** Junior yearling. All boars and gilts BANGS TESTED. If you like quality, type and merit, plan to attend. Ask for FREE catalog. Please mention this publication when writing.

WARRICK BROS., MONROE, IOWA

Auct. H. J. McMurray

REAL CHESTER WHITES

To be held at Dairy Cattle Congress pavilion

Waterloo, Ia. NIGHT SALE 7:30 P. M. Wed., Oct. 10

50 HEAD **25 TOP BOARS, 25 EXCELLENT GILTS**—A choice offering, one of the best to sell this year. They are by **ILLINI LADDIE,** greatest proven sire of the breed; **Chunky Lad,** the extremely thick-hammed, low-down boar; **Heaviest,** a son of the grand Champion Combination, and **BANNER BOY,** who is siring heavy-boned, extra thick type pigs. A complete litter by the noted **PORTAGE MODEL** and my Iowa State Show litter by **Chunky Lad.** They are out of some of the best dams the breed affords. The offering is in perfect condition, the thick meaty kind with plenty of quality. Plan now to attend. Ask for **FREE** catalog. Please mention this publication.

ROBERT LANIGAN, FAIRBANK, IOWA

Auctioneer, Tom Sherlock

The Tilney Farms---Roy Phipps Dispersal

Clean Herd in Modified Acc. Area, and Bangs Certified

Selling at AUCTION

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Starting at 10 A. M.

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WELCOME TO MAPLE SIDE HERD

"Where Beauty and Breeding Predominate"

CHESTER WHITE BOAR AND GILT SALE!

OLIN, IOWA, THURSDAY, OCTOBER 4th

At farm, 4 miles north on No. 38 and 1 mile west

51 HEAD 23 spring boars, 2 fall boars, 25 spring gilts and one bred sow. The spring pigs are by **COMBINE IMPROVER** by Combine Model, **ALFALFA BOY,** by Alfalfa Elmo; the fall boars are by **COMMANDO** and **WM. A.,** out of the best sows in our herd, all rich in breeding. The proper type that make early **MARKET-TOPPERS,** all well-grown. They have bone, length, width, merit and quality. Breeders and farmers can find boars and gilts that will please. Plan now to attend. Ask for FREE catalog. Please mention this publication.

HENRY JURGENSEN, OLIN, IOWA

Auct., M. E. C. Jurgensen

PRIZE-WINNING POLANDS

To be sold at public auction. Mower County fair grounds

AUSTIN, MINNESOTA, OCTOBER 9th

45 HEAD **40 BOARS, 5 GILTS.** A choice lot sired by **Admiral,** 1945 Minnesota grand champion; **Black Style, Hiawatha** and **Black Model.** We sell the 1945 Junior Champion boar by HIAWATHA from Chancellor Dam. Our herd in the State Show won 6 firsts on of the 8, including Grand Champion and Junior Champion Boars. In Austin Area sow-testing work our pigs have been heaviest 5 years out of 7. All well-grown and splendid quality. Plan now to attend. Ask for **FREE** catalog. Please mention this publication.

J. H. AULTFATHER & SON, AUSTIN, MINNESOTA

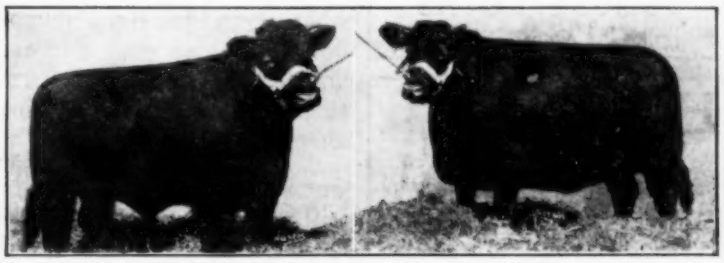
Auct. Joe Reisch

Improve Your Herd

With better-bred Shorthorns rich in pedigree and pleasing in type, conformation and merit (at public auction—Fair grounds)

Des Moines, Iowa

Friday, October 12th



Helfred Royal Flush, a deep dark red son of Bapton Major (Imp.) whose Dam, Helfred Verbena 5th, is a daughter of the Grand Champion Collynie Clipper Star. Here is a real herd bull prospect for the best herd.

Helfred Verbena 15th, a daughter of the grand champion Brae Lodge Headlight. Dam by Grand Champion Collynie Clipper Star. She sells well forward in calf to Bapton Major (Imp.), a member of this family always in our show herd.

40 Head 10 Choice Bulls 30 Wonderful Females

One of the finest offerings to be sold this year. The females include a grand 2 year old heifer with splendid roan bull calf by the great **BAPTON MAJOR** (Imp.), one of the truly good sires. Many daughters of the International Grand Champion **SUNRAY** and grand champion **BRAE LODGE HEADLIGHT** and 6 daughters of **BAMPTON MAJOR** (Imp.). Many of breeding age are mated to him. You will want a son or daughter of this grand breeding bull. Genuine foundation females, the sort for real herd improvement . . . the best in breeding which assures their future usefulness. The 10 bulls a desirable lot, solid colors, just turning proper age for service. The modern type, low-set, even-fleshed with good quality and conformation. 8 are sons of **BAPTON MAJOR** (Imp.) and 2 sons of **BRAE LODGE HEADLIGHT.** Herd bull material is plentiful. The best in blood lines, **ROSEWOOD, AUGUSTA, CLIPPER, VERBENA, VICTORIA, BROADHOOKS, GIPSY MAID** and **BEAUTY** . . . nothing finer. Pleasing in type, merit and fleshing-ability. All **T. B.** and **BANGS** tested. Plan now to attend. Ask for beautiful illustrated catalog with about 30 photographs. It is **FREE.** Please mention this publication when writing.

HELFRED FARMS, Route 6, Des Moines, Iowa

F. W. Hubbell, Owner — Auctioneer, J. E. Halsey — Chas. Garden, Manager

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Poland Boar and Gilt Sale

At 1 P. M. at the Clay County fair grounds.

SPENCER, IOWA, MONDAY, OCTOBER 1

50 HEAD OF BOARS SELLING
40 HEAD OF GILTS SELLING

I am selling 49 spring boars, 1 fall boar and 40 head of spring gilts. This is a well grown bunch. Some of the offering will be weighing close to 300 lbs. by sale day. They are the easy feeding kind. These boars and gilts will be in top breeding condition.

No. 1 boar in the sale is Broadcloth, a fall September boar that many claim to be the greatest boar the breed has ever produced. The other boars and gilts selling are sired by Moderne, a Production-bred boar. Dress Parade by Moderne Pioneer, War Horse, Proginator, Nebraska Pioneer. Be on hand sale day to see this fine offering.

MAIL BIDS. Send bids to Auctioneer or to myself. Your buying orders will be carried out according to your instructions. All selections guaranteed to suit. Write for catalog.

TOM VINT, SPENCER, IOWA

Col. H. S. Duncan and Bud Henry, Auctioneers

Duroc Sale

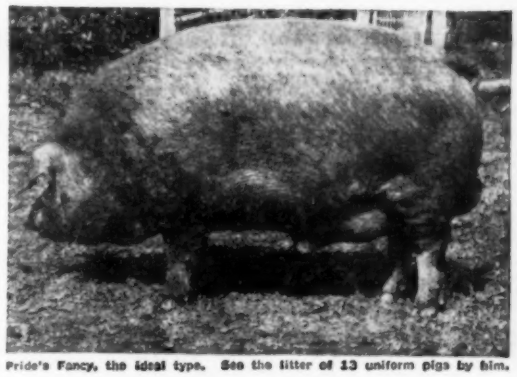
AT FARM

October 2nd

50 TOPS

30 BOARS

20 GILTS



Pride's Fancy, the ideal type. See the litter of 13 uniform pigs by him.

Our best offering. Many by **PRIDE'S FANCY,** others by **SUPER SUPERBA,** son of All-American, dam, littermate to 1944 Iowa Junior champion and top boar in our 1944 sale. The cream of the crop. Plan to come. Ask now for **FREE** catalog.

KNOTEK BROS. — Auctioneer Guy Pettit — **RIVERSIDE, IOWA**

When writing to advertisers, will you please mention this paper?

Spotted Poland SALE

At farm

Rock Rapids, Ia., Oct. 9

60 HEAD—50 BOARS, 10 GILTS

The modern type, plenty thick, low-down and lots of quality, with size. Good enough for best herds, sired by outstanding sires: **THICK WONDER** by Thick Type and **NORTHERN PATROL** by Patrol. Excellent breeding. **COME!** Ask for **FREE** catalog. Please mention this publication.

JULIUS F. ROTHS
ROCK RAPIDS IOWA

HOLSTEIN DISPERSAL

HARTLEY, IOWA, OCT. 2nd

60 FEMALES, 1 proven sire, 1 young bull. The offering includes 42 Registered and high grade milk age cows and heifers, about half fresh or heavy springers; 18 yearling heifers and calves. 30 daughters of Man-O-War Jewel Homestead Fobes, 1944 Iowa index winner (708 lbs. B. F. 2X) 7 cows bred to him. Also his son sells, dam a 5-yr.-old with record of 594.4 lbs. B. F. 2X. Man-O-War Posch Veeman, proven sire with 702 lbs., sells. A half brother to 1944 Iowa index winner. Our DHIA 7-year herd average, 427.5 lbs. B. F., records up to 737 lbs.

Ask for **FREE** catalog.

CLINTON J. COOPER, Hartley, Iowa

CLOSING OUT SALE

SCOTCH SHORTHORNS

At Stevens & Kelley Barn

RIPPEY, IOWA
OCTOBER 1ST

22 HEAD Advanced age and shortage of help, therefore will sell entire herd which includes 2 herd bulls, one yearling bull, serviceable age, 12 cows and heifers and 7 calves. The families are Maude, Wimple, Rosemary, Honeysuckle, Lady Alice and College. FREE catalog.

G. H. GETTY, R. 2, RIPPEY, IOWA

Hereford Dispersion!

(at farm 5 miles northeast on No. 9)

WAUKON, IOWA
MONDAY, OCT. 8th

20 females and 6 bulls, choice offering low-set, blocky cattle, best in breeding. Heifers by SUPREME LAD 3231668 and calves by FAYETTE DOMINO 29 3868928. Pedigrees furnished. Also 75 summer pigs, horses, grain, corn and machinery.

REAL ESTATE—122 acre farm, 1944 crop yield contest corn averaged 116 bushels per acre. Good buildings, fences, etc., 2 springs on farm.

LAWRENCE & J. A. WELSH
Waukon, Iowa

POLAND SALE!

At farm

SEPT. 24th 60 head; 40 boars and 20 gilts sired by **FORMATOR**, a son of Formation; **SQUARE MASTER** by King Master and **BROAD BUSTER**, a son of Block Buster. Best in breeding. They are choice, heavy boned, low-down, with length, smooth, well marked, and extra heavy hammed. Plan to attend. Ask for **FREE** catalog.

JOHN SUPPLE, COGGON, IOWA

Spotted Poland Sale

SEPT. 24th (Night) 7:30 P. M.

30 BOARS — 30 GILTS

Choice type and quality, spring farrow. All eligible to record in National Assn. Plan to come. Ask for **FREE** catalog, mentioning this publication.

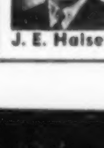
VIRGIL E. WALTER & SON, ROCKPORT, MO.

Livestock For Sale

DAIRY BULLS. Brown Swiss—one proved sire and one bull calf. Holstein and Ayrshire bulls from two months to serviceable age.

BELGIAN HORSES. Stallions—all chestnuts. One coming three years old, one coming two years old, and three yearlings. Priced to sell. Also some Belgian mares. Write

ANIMAL HUSBANDRY DEPARTMENT
IOWA STATE COLLEGE AMES, IOWA



AUCTIONEER

Successful sales for leading breeders, lifetime experience with Livestock. Apply early, as I am busy during season. Rates reasonable. Telephone Residence 7-3645; Business 3-6181.

J. E. Halsey, Box 1317, Des Moines, Ia.

Advertisement

From where I sit ... *by* Joe Marsh

Herb's got a Great Little Wife

Everybody's talking about what a grand job Herb Helm is doing since his boy went to war and left him to run the farm single-handed. He's producing almost as much as before, but he never says a word of complaint.

Good for Herb! But *I'd* like to say a word for Mary, Herb's wife. She runs the house, cooks the meals, takes care of the children, works on salvage drives and lends a hand at the Red Cross. And that's tiring work for any woman!

Yet when Herb comes in—too tired to talk or watch where he drops his ashes, maybe—she makes allowances, keeps smiling, brings him a restful glass of beer, and makes enough conversation for them both. Next morning, Herb goes back to work refreshed and cheerful.

From where I sit, women like Mary are doing a great war job themselves . . . being tolerant and kind to husbands who are under wartime strain. Bully for them!

Joe Marsh

Copyright, 1945, United States Brewers Foundation

MINNESOTA

Angus Breeders Sale

SHOW 10:00 A. M. **Judge: John Sheets, Maquoketa, Iowa** **SALE** 1:00 P. M.

Sale Pavilion Fair Grounds, located just north of state line

BLUE EARTH, MINNESOTA
SATURDAY, SEPTEMBER 29th

49 HEAD—BEST AVAILABLE IN MINNESOTA

15 Top Young Bulls, 34 Richly-bred Females

One of the finest offerings ever presented by the breeders of this state; they have drawn deep into their herds and selected cattle of the type and quality that will be a credit to them as breeders. The consignors are:

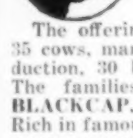
	Bulls	Females		Bulls	Females
E. W. Brown, Luverne	2	6	Brune Teuchert, Fairmont	1	1
Byron McGregor & Sons Mapleton	1	6	A. M. Falkenhagen, Kasson	1	1
Strickler Bros., Euclid	3	7	J. Ivan Sample, Spring Valley	2	4
Emil Travland, Alden	2	0	F. M. Cresby, Hastings	1	1
Campbell Bros., Utica	1	4	University Farms, St. Paul	1	2

A grand lot of cattle that should please good cattlemen. The 15 bulls are ready for service and include herd bull prospects. They are by **Harken's Bell Boy; Prospect Lad, Eventuation of Ada** and **Burgess Glencarnock 19th.** Real herd bull material. The females include **5** cows with calves, **10** bred cows and heifers and **19** attractive open heifers. The heifers are sired by **Blackcap Bell Boy of Ada, Prince Jet 2d of Ada, Elbar Marshall 4th** and other good sires. The families are **Blackcaps, Hartley Edellas, Elba Erica, K. Prides** and others. Good breeding. Plan now to attend. Ask for **FREE** catalog. Please mention this publication. Address

CLEMENT C. CHASE, Secy., Box 669
PIPESTONE, MINNESOTA

Auctioneer, J. E. Halsey

BOOSTER DINNER: 7:00 P. M., September 28th. All are invited. Come!



IOWA ANGUS AUCTION

MARENGO, IOWA, MONDAY, OCT. 8th

70 HEAD——65 Females, 5 Bulls, 50 Calves

The offering selected from 10 good Iowa County herds and includes 35 cows, many with calves at foot, with a past record of real calf production, 30 bred and open heifers and 5 low-set, thick rugged bulls. The families are **JUANA ERICA, McHENRY BARBARA, ELBA, BLACKCAP, BLACKBIRD, ENCHANTRESS ERICA** and **EISA ERICA.** Rich in famous **Donohoe-Brookside** breeding. Splendid selection of calves, a rare opportunity to purchase a bull or heifers for 4-H CLUB work. All good type and quality and from best blood lines. Plan to attend. Ask for **FREE** catalog. Please mention this publication. Address

Iowa County Angus Breeders Association
J. C. McCabe, Secy., WILLIAMSBURG, IOWA

Auct. Hamilton James

HAMPSHIRE SALE
70 BOARS & GILTS

(Fair grounds)

West Liberty, Iowa, Oct. 6th

NIGHT SALE 7:00 P. M.

LORIN E. OXLEY WEST LIBERTY, IOWA
and
F. D. SMYLIE COLUMBUS JCT., IOWA

MINNESOTA
MILKING SHORTHORN SALE

Fair Grounds

OWATONNA, MINN., SEPT. 26th

Choice, selected cattle from Minnesota's top herds. Fresh and springer cows; bred and open heifers and heifer calves. Bulls ready for service and bull calves. Ask for **FREE** catalog. Please mention this publication. Address

R. E. HODGSON, Secy., Waseca, Minn.

HAMPSHIRE SALE

At farm 1½ miles south of

Winfield, Iowa, October 8, 1945

(Night Sale)

140 HEAD ALL SPRING FARROW

The choice from 3 good herds. **E. R. Brenneman & Floyd Deal,** Winfield, Iowa, and Mr. and Mrs. **F. M. Story,** Kahoka, Mo. All have selected their best. **40** big rugged boars. **100** choice gilts, sired by **MASTER ROCKET, SHINE ON,** Nebraska Grand Champion; **WAY MORE** by the $6,000 Steam Roller; **ROGER'S GOLDEN CONQUEROR** by the $5,525 Golden Roller Conqueror and **PRAIRIE GOOD,** a son of Hawkeye Prairie Roller. Breeding unexcelled. The large number affords a wide selection. All **BANGS** Tested. **COME!** Ask for **FREE** catalog. Please mention this publication.

E. R. BRENNEMAN
WINFIELD, IOWA

Registered Jersey Dispersal

Entire herd of

Ted T. Miller, Clarinda, Ia.

At farm 4 miles Northeast on No. 71

Mon., Oct. 1—12:30 P. M.

65 Head Production Tested-Classified—30 Cows, 28 Heifers, 7 Bulls

All cows have H. I. R. production records, one is a **"TON OF GOLD"** cow; all will be classified by sale day. A choice lot of bred heifers sired by 3 and 4 star bulls and out of cows with records from 400 to 700 lbs. fat. A few dropped since July 1. Suitable age for 4-H Club work 1946. Both herd sires selling including Ashley Jolly's Royalist, 3 star bull from Twin Oaks Farm Morristown, New Jersey; Checkmate Mighty Standard, an imported bull from Island of Jersey. Both outstanding sires. Several younger bulls up to Senior yearlings. All 2-year-old and under CALFHOOD VACCINATED. T. B. and BANGS Tested. Ask for **FREE** catalog. Address

Ivan N. Gates, Sale Mgr.,
West Liberty, Iowa

Auct., Tom McCord

ANDERSON'S POLAND SALE

At farm 5½ miles southwest of

West Liberty, Iowa
October 6th

60 HEAD—30 Choice Boars, 28 Gilts
2 Sows With Litters

A great offering from one of the best herds in the state. They are by **THE HIT** by Black Gold Jr., **CORRECTED** by Three Dimensions and **Fast Mail** by Happy Thought. The 2 sows with litters by top son of **The Hit.** Best in breeding. Some of the best is a litter, 3 boars, 3 gilts, by **THE HIT** and out of an Illinois Defender dam. Six outstanding boars by **CORRECTED,** the 1944 top boar in Carl Hirsch sale. All well grown, excellent quality. You will like them. **COME.** Ask for **FREE** catalog. Please mention this publication.

W. C. ANDERSON & SON
WEST LIBERTY, IOWA

Chester White Sale!

At farm, 5½ miles west of town

Lake Mills, Iowa, Oct. 2

Forty pure bred boars by four real outstanding sires. Many by **HILLSIDE ACE,** sire of our grand champion pen of barrows. One of the greatest offerings of the season. They are well grown, big rugged fellows with lots of substance and quality and carry popular blood lines. Plan to attend. Ask for **FREE** catalog. Please mention this publication.

A. L. BIDNE & SON
Lake Mills, Iowa

MINNESOTA STATE
SPOTTED POLAND CHINA SHOW & SALE

10:00 A.M. 1:00 P.M.

Sleepy Eye, Minn., Oct. 8th

40 BOARS — 20 GILTS

The choice and pick from leading breeders of Minnesota. Well grown and rich in pedigree. Ask for **FREE** catalog. Please mention this publication.
FLOYD J. GRAHN, Mgr. WILLMAR, MINN.

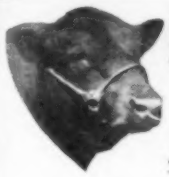
Pure Bred Duroc
BOAR AND GILT SALE

At 4-H Fair Barn

HUMBOLDT, IOWA, SAT., SEPT. 22nd

Choice richly bred boars and gilts. Good type and quality. Attend. Ask for FREE catalog.

GENE E. EGLI, GILMORE CITY, IOWA



Royal Bred Angus

To be held at Mercer County fair grounds adjoining town on the west

Aledo, Ill., Thursday, Oct. 4

100 HEAD 14 BULLS, 86 FEMALES

40 Big Calves Go Free With Dams

During 15 years Mercer County Association has made 27 Auction and sold over 2,400 cattle from more than 100 different consignors, and they have given satisfaction. The winnings at the **National Shows** is evidence of the quality and blood lines.

One of the best offerings from this well known **Angus** stronghold. The 86 females include 40 cows of desirable age, with calves at foot . . . by County's better sires, that have made good in the respective herds, many remated and of greatest strains. Here is **QUICK PROFIT** for anyone. Fourteen attractive herd bulls, including 4 tried sires. A grandson of **BLACK PRINCE OF SUNBEAM** and a Glencarnock Elma; a Maid of Bummer Miss Burgess . . . a full brother to top selling female a year ago. Also 2 good Elba's. Real tried and proven sires. Other younger bulls with rare merit and herd heading prospects. The offering represents the cream in blood lines. All **T. B. and Bangs tested.** Ask now for **FREE** well-illustrated catalog. Please mention this publication. Address

HUGH McWHORTER, Secretary, ALEDO, ILLINOIS

MERCER COUNTY ANGUS ASSOCIATION

Auct. Roy Johnston — J. E. Halsey, Fieldman

Attend This Outstanding Breed Event

Sioux Empire Polled Shorthorn SHOW AND SALE

Show: 9:00 A. M. — Sale: 1:00 P. M.

Sioux Empire Fairgrounds
Floyd T. Brown, Stamford, Nebr., Judge

Sioux Falls, S. D.
WEDNESDAY, OCTOBER 10

73 HEAD—32 BULLS AND 41 FEMALES—selected from 26 of the strongest herds in Iowa, Nebraska, Minnesota, and North and South Dakota, with a view of making this the season's outstanding Polled Shorthorn event.

THE BULLS—1 tried sire, 20 ready for immediate service, and the remainder ready for use before the end of the year—a strong lot of bulls carrying a rich infusion of the blood of Lord Collynie X, Oakwood Loyal King X, King Collynie Jr., X, Collynie Type 3d X, Gloster Dale X, Nonpareil Coronet X, Shadybrook Monarch X, and other noted sires, and offering breeders and cattlemen an opportunity to select prospective sires of real breed improving ability.

THE FEMALES—Young cows with calves at foot, or safely bred, 18 heifers in calf to outstanding sires, and an attractive group of open heifers—selected from strong herds with the thought of assembling a group of foundation females as good as the breed affords.

Cattle offered in previous sales made by the Sioux Empire Polled Shorthorn Club, Inc., have been distributed over a wide area, the 1944 offering going to appreciative buyers from six states, attesting to their desirability. This year's offering will be up to the high standard maintained by this breed organization and it should attract a liberal attendance by Polled Shorthorn men from a wide territory. Ask for FREE catalog. Please mention this publication. Address

JOHN F. WHITE, Sale Mgr., CANTON, SOUTH DAKOTA

SIOUX EMPIRE POLLED SHORTHORN CLUB, INC.

Auct., J. E. Halsey — M. T. White, Fieldman

EDELLYN CAMPEON MERCURY, undefeated show bull of America, 1943-1944. Denver 1944 grand champion. Sire of 1945 champion bull and female at Fort Worth. Best breeding son of the Perth Champion Calrossie Mercury. Note stamp, thickness and quality.

SNI-A-BAR SHORTHORNS

Annual Sale at Farm, located 25 miles east of Kansas City on No. 40.

GRAIN VALLEY, MISSOURI

SATURDAY, OCT. 13

14 TOP BULLS

31 GRAND FEMALES

The greatest offering ever presented from this famous herd where high-class cattle have always been produced. The 31 females include excellent individuals . . . a few with outstanding calves at foot. 12 daughters of **CRUGGLETON ASPIRATION** (Imp.), 11 daughters of **MILLHILLS JASPER** and many by **EDELLYN CAMPEON MERCURY.** 20 are mated to him, the "SIRE OF CHAMPIONS." A few are by **SNI-A-BAR CONTROL,** 1945 Fort Worth Grand Champion son of EDELLYN CAMPEON MERCURY. The 14 bulls are a great lot, real herd bull prospects, sired by EDELLYN CAMPEON MERCURY and other herd sires. Breeding and quality unequaled. **COME!** Ask now for beautifully illustrated **FREE** catalog. Please mention this publication when writing.

SNI-A-BAR FARMS JAMES NAPIER, Superintendent — **Grain Valley, Mo.**

Buy a Bond to Help Your Country and to Help Yourself in Later Years

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Tallcorn Polled Shorthorns

SHOW 9:45 A. M. — **SALE 1:00 P. M.**

Under Auspices of Iowa State Polled Shorthorn Club

In comfortable Marshalltown livestock auction pavilion

Marshalltown, Iowa, Mon., Oct. 1

65 HEAD—23 Top Bulls, 42 Richly-Bred Females

Alauna Captain, a September yearling bull. A son of Alauna Lord Collynie; dam, Clara 93rd by Dale's Lodge Keeper. International winner. A Girton & Fennern entry.

Cloverdale Nugget, a dark red March yearling by Cloverdale Claytoun. Dam, Lovely Lady. One of the good bulls selling. He comes from the R. L. Flamme & Sons herd.

A selected offering from 19 leading herds of the state which include only their top cattle. A good place to purchase a herd bull or females of foundation character. The consignors are:

	Bulls	Females		Bulls	Females
Linlithgow Farm, Washington	1	4	R. L. Flamme & Sons, Gladbrook	3	5
S. B. Hudson & Sons, Knoxville	1	2	Falcon Bros., Central City	1	0
Geo. E. Smith, Keokuk	2	2	Frank Dempster, Arlington	1	2
Glen Yoakum & Son, Keswick	2	0	Lovel Corporation, Monticello	0	3
Lou Kennedy & Sons, Lewis	2	3	A. G. Kester, Coggon	1	3
R. E. Phillips, Red Oak	2	5	Girton & Fennern, Vinton	1	1
E. P. Laughlin, Imogene	1	2	J. C. Wahls, St. Olaf	1	1
H. L. Ryon, Spencer	0	3	G. W. Zinnell, Rockwell City	0	3
Minor Blum, Terril	1	2	S. Keith Gabriel, Rockwell City	1	1
Otto Johnson, Jolly	2	0			

The females include cows with calves, bred cows and heifers and attractive open heifers. Sires represented are Oakwood Commander, Stardale, Red Oak Sensation, Red Oak Admiral Collynie Stardale, Collynie Dale, Alauna Lord Collynie, Cloverdale Claytoun, Oakwood Impression Jr., Coronet Royalist, Oakwood Red Knight, Village Type, Oakwood Major General, Misty Vale Commander, Village Supreme 2d, Rodney's Stamp, Linlithgow Prince, Cloverdale Chief, Collynie Pilot, Royal Dale, Linlithgow Browndale, Browndale Sultan, Chancellor Memory, Coronet Impression, Coronet Memory, Master Monarch, Lynnwood Command and Red Oak Crown 2d. Best in blood lines. Make profitable and admirable selections here. Plan now to attend. Ask for **FREE** catalog. Please mention this publication. Address

EARL S. GIRTON, Mgr., Box 292, MARSHALLTOWN, IOWA

Aucts., J. E. Halsey and C. G. Mason

Harper's High Class Durocs!

At farm, located 10 miles northeast of Ames, on gravel road. Five miles east, 5 miles north.

STORY CITY, IOWA, MONDAY, OCT. 8th

52 Excellent Boars and Gilts

This is one of the finest lots of **Durocs** to sell this year, which include our show herd at **Iowa State Show,** with a grand assortment of the richest breeding from all parts of the country . . . new blood for old customers. The number is selected from a large herd, only tops with quality are offered. They are sired by **SECO DEEP-SET,** a son of Seco Low-Down; **THE KING** by **King Orion; TOPS,** 1944 Grand Champion; **TOPS EQUAL; TOPS KING; HOT TOPS,** his best sons, **LOW-BOY; MARKET TOPPER; CIMARRON; TOPS ALL** and **KANT-BE-BEAT.** Breeding unexcelled. All of the low-set, thicker type with cherry red color. There are 40 big rugged boars and 12 beautiful gilts. You can find what you want here. Plan to come. Ask for **FREE** catalog mentioning this publication.

HARPER & SONS, STORY CITY, IOWA

Auctioneer, J. H. McMurray

Timm's Duroc Sale!

At Farm 3 miles west on Highway No. 22

MUSCATINE, IOWA, OCTOBER 3, 1945

60 HEAD——35 BOARS, 25 GILTS

One of the fine offerings of the year, we have selected a great lot of boars and gilts for this event. They are sired by **CIMARRON,** 1944 Iowa Junior Champion, **CRIMSON FANCY, FANCY COL. KANT-BE-BEAT,** and **GOLD STAR'S LAD.** New blood for old customers. We include our prize winners at Iowa State Show. A uniform lot, well-grown, some boars will weigh 300 lbs. sale day. The sort that will produce pork in a hurry. Plan to come. Ask for **FREE** catalog, mentioning this publication.

HAROLD C. TIMM, MUSCATINE, IOWA

Auct. Guy Pettit

Calling all Farmers and Breeders to our

Chester White Boar and Gilt Sale!

To be held in all weather sale pavilion

MAQUOKETA, IOWA, WED., OCT. 3rd

40 HEAD——30 BOARS, 10 GILTS

Choice boars and gilts, plenty of size, easy-feeding type, heavy boned with quality. All raised on clean ground . . . and are healthy. Best in breeding. Immune. Every hog sold recorded **FREE.** You will not be disappointed, plan to attend. Ask for **FREE** catalog. Please mention this publication.

RAY E. MOREHEAD & SONS, R. 6, MAQUOKETA, IOWA

Auct. C. G. Mason

JOHN H. FITCH

Berkshire Dispersal

Lake City, Iowa, Sat., Oct. 6th

100 HEAD—Including all my Herd Boars, Herd Sows, Young Boars and Spring and Fall Gilts

Owing to the death of my wife, which throws so many responsibilities upon me, which she had helped in such a splendid way to bear, I must therefore disperse this fine herd of Berkshires, that has been a great pride to me and a paying investment as well. There will be over 100 head in this sale which will include everything except a few of the older sows. It will include herd boars fit to head the best of herds. The top selling, and conceded to be the best son of the Nebraska grand champion in 1944—Jack's Bomber, also a splendid yearling son of Fashion Improver 3d, 5 grandsons of Prince Leader 8th, the greatest of all Berkshire boars, others by Omaha Charmer, he by the Dakota grand champion Omaha 3d. Many other boars with equally good breeding, both fall yearlings and spring boars, and sows with litters at side. Also some mighty nice fall gilts, some with litters at side, others selling open, spring gilts and weanling pigs. You will find some of the finest gilts here to be sold anywhere, with the very best of breeding behind them, such as Prince Leader 8th, Omaha 3d, Eliminator's Ideal 7th, The Bomber, Brookside Colonel, Grandview Prince, every one of them champions, and I have intermingled these blood lines so closely that you take no chance when you buy this line of breeding, and then give them the proper care. If it is a boar you want, or some open gilts for your winter sale, or a sow with litters already started, or baby pigs ready to wean, then make it a point to be at my dispersion sale at Lake City, Iowa, on Saturday, October 6. You will certainly find them here. Send for my catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Bids sent to either T. M. White or J. E. Halsey, representing this paper will be properly cared for on day of sale. Address

JOHN H. FITCH, Owner, LAKE CITY, IOWA

Cols J. E. Halsey and Jeff Staton, Auctioneers.

ERNEST L. McDERMOTT'S SALE

Highly-Bred Durocs

40 Selected Boars — 5 Choice Sows

At my farm, 3½ miles west of Anita, Iowa, and 4 miles east of Wiota, Iowa, on Highway No. 6

Wiota, Iowa, October 12, 1945

I am selling 30 head from my well known herd, made up of boars and sows. The most of these are sired by my great herd boar ROYAL MARKSMAN, regarded as one of the very best boars in Iowa, and a splendid sire. I am selling six litters in sale that are sired by him. Others are sired by Schubert Ace, a Schubert-bred boar, then there will be three boars and one gilt that are sired by Orion Prince, and he was the junior boar at the Duroc Congress at Austin, Minn., last year. I am also selling an outstanding fall boar by Royal Marksman in this sale and he is good enough to head any herd. This boar is out of Polly, and she was sired by Worth Owning, and he was a full brother to the top selling gilt in the Duroc Congress sale that went to Tennessee at $2,100. ALBERT MUELLER, one of Iowa's oldest breeders is selling 15 head in our sale and these are made up of boars and sows and are the tops of his 1945 crop. Buses will stop on request at the farm on day of sale. Write for catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

ERNEST L. McDERMOTT, WIOTA, IOWA

Col. N. G. Kraschel, Auctioneer — M. T. White, Fieldman

Keen's Chester White Sale!

Located on Lincoln Highway east of Marshalltown

LeGrand, Iowa, Wed., Oct. 10

50 Head—Best we have ever sold

This fine offering includes **40 boars** and **10 gilts** selected from a large number and a farm where some of the finest of the breed are produced. Mostly by **SILVER LAD**, one of the truly great sires of the breed. Others are by **SHILVER LINE ACE, SILVER LINE MASTER, SILVER LINE PRINCE** and **BALANCER SENSATION.** Plenty of good breeding for old customers. They are uniform with rare quality. A lot of big rugged boars with modern type, full hams and the sort for improvement. Blood lines that will improve the best herds. Make your selections here. Plan to attend. Ask for **FREE** catalog. Please mention this publication.

C. T. KEEN & SONS, LEGRAND, IOWA

Auct. Clair Mason

Genuine Quality Chesters

Located 34 miles northeast of Cedar Rapids at Farm, on edge of town

Center Junction, Iowa, Thursday, October 11, 1945

60 HEAD—40 BOARS, 20 GILTS

A carefully selected offering from a large crop of spring pigs, only the best have been cataloged for this sale. We have sold lots of good Chesters in the past 20 years, and this offering will compare favorably with any we have ever sold. They are **PATTON'S PRIDE, FARMER'S PRIDE, IOWA'S PRIDE** and **SILVER TOP**, a variety of good breeding that will please all. The dams are some of the best the breed affords. The farm where **top quality Chesters** have been produced for years. We have a good boar for you or a few top gilts. Breeding and quality unsurpassed. New blood for old customers. Make profitable and admirable selections here. COME! Ask for **FREE** catalog, please mention this publication when writing. Address

J. B. SEEHUSEN, CENTER JUNCTION, IOWA

J. E. Halsey, Auctioneer

Fruehauf Farms Hampshires & Spotted Polands

Sell at Public Auction, at Farm, Located on Highway No. 30, Only 4 Miles West of

Cedar Rapids, Iowa, Mon., Oct. 8th

40 HIGH CLASS HAMPSHIRES

A carefully selected lot, which have been well grown and the type that will please critical buyers. They are by **SUPERBA**, one of the greatest junior yearling boars of the breed. A boar of proper type, thick and smooth. He is a **Steam Roller** bred boar. Others by **GOLDEN ROLLER**, an All-American junior pig. Best in type, quality and breeding.

30 EXCELLENT SPOTTED POLANDS

A great lot of the finest Spotted Polands sired by **RIGHT WAY**, 1944 Iowa Grand Champion. They are big husky fellows, with ideal quality. The sort for breed improvement. The place to secure top boars or gilts. All of both breeds have been **BANG'S TESTED.** Plan now to **COME.** Ask for **FREE** catalog. Please mention this publication. Address

FRUEHAUF FARMS, R. 1, Cedar Rapids, Iowa

Chas. Gorrell, Manager. — Ward Williams, Herdsman.

Auctioneers Chas. Taylor and G. Shaw.

Royal King, a great sire

DUROC BOAR AND GILT SALE

To be held in I. D. McClure Bldg.

IOWA FALLS, IOWA MONDAY, OCT. 1st

35 Boars — 20 Gilts

A choice offering sired by our proven sires and includes tops from 220 litters. The very best in quality and breeding . . . an ideal place to secure breeding stock. They will please. Ask for FREE catalog. Please mention this publication.

IOWA FALLS DUROC BREEDERS ASSOCIATION

Iowa Falls, Iowa

Outstanding Polands!!

Sale at Farm east of town, good pavilion

MASON CITY, IOWA WEDNESDAY, OCTOBER 10, 1945

40 BEST POLAND BOARS AVAILABLE

One of the greatest offerings of the year, from a herd where top quality Polands have been produced for years. Not one inferior individual cataloged. All well grown, good bone, heavy hammed, rugged, thick, displaying merit and real quality. They are sired by **ONE WORLD, MODEL RITE** and **PERFECT BLEND**, breeding unsurpassed. Five out of the wonderful sow, **LADY SHOWMAN**, they will please the most critical. Four great pigs whose dam is **THE OVERTURE** . . . real herd headers. Four splendid pigs whose dam is **SUPER SHOWMAN**, they are heavy-hammed, long-bodied, meaty boars with much quality. All of the above sired by **ONE WORLD**, the greatest boar ever used in this herd. We guarantee them to please. Come and be satisfied. Ask now for FREE catalog. Please mention this publication.

EMMERT BROS., MASON CITY, IOWA

Aucts., H. S. Duncan and J. J. Johnson.

ANGUS DISPERSION!

At Meek Ranch, 125 miles southeast of Des Moines and south of

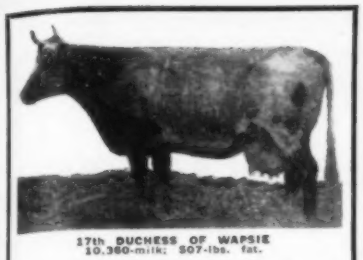
MILTON, IOWA, MONDAY, OCTOBER 1st

125 HEAD **Foundation cows, with calves, many by Prince Sunbeam 46th. Bred cows and heifers and open heifers. Four top herd bulls and promising young bulls.**

A dispersion that offers some valuable breeding cattle. Sons and daughters of the best sires of the breed. Real breeding cows with big fine calves . . . some rebred. Choice young cows and heifers bred to herd sires and some of the finest open heifers to sell this year. A great lot of bulls. Four wonderful herd sires and several excellent young bulls. The herd bulls include **PRINCE SUNBEAM 46th**, the $10,000 bull; **Envious Blackcap W. 6th**, grandson of the $15,000 International Grand Champion Envious Blackcap B. 6th; **Blackbird Bandolier of Ada 2d**, a son of Black Bandolier 2d, and **Meek Ranch Bandolier 6th** by Blackbird Bandolier of Ada 2d. Herd bulls and foundation females that will be found only in a dispersion sale. Plan to come. The catalog is **FREE**, ask for it. Please mention this publication when writing.

MEEK RANCH — FRANK W. PEARSON, Owner; ROY L. CRUZEN, Manager — **MILTON, IOWA**

Auctioneer, Roy Johnston



17th DUCHESS OF WAPSIE
10,360-milk; 507-lbs. fat.

Now You Can Buy
Deep-fleshed, Deep Milking
Peerless & Belle Vernon SHORTHORNS

at auction 2 miles north on Highway No. 52

DECORAH, IOWA, SEPT. 29th

77 HEAD—54 Cows, 16 Bull calves and 7 Baby calves

Acclaimed top foundation stock for **Butter, Beef and Beauty** for Half a Century. See the "For Reference" Sires tabulated in the catalog. BEAU OF GLENSIDE, out of the dam of Rose of Glenside, 18,075—624 lbs. OXFORD KING 2d, a pure Bates Oxford. Imp. BELLE VERNON CHIEF, tops for fleshing, GLENSIDE BUTTER KING, out of Bessie Buttercup, daughter of Rose of Glenside, PEERLESS BARRINGTON, out of 17th Duchess of Wapsie, PEERLESS DAIRYMAN, grandson of Cuba's Blossom, America's grandest cow, PEERLESS BELLBOY, grandson of Windy Meade's Bellboy, America's top production sire, WALLGROVE ROYAL FILLPAIL, out of Butter Girl, 20,325—698 lbs. in a year. 132,670—4,616 lbs. in 8 years. BORG'S CLAY CHIEF, whose sire is out of the dam, whose dam is by the sire of MOUNTAIN PRINCESS 21,023—853 lbs. The cows carry the service of BORG'S CLAY CHIEF, heifers bred to WALGROVE CRIMSON EMBER by Walgrove Campfire, (dam's record 16,259—657 lbs. 3 yr. Av. 12,926—510 lbs., out of MiVenus, 12,970—511 lbs. mature equivalent 14,411—567 lbs. Apply for **FREE** catalog. Please mention this publication. Address

ROY A. COOK, INDEPENDENCE, IA.
PEERLESS & BELLE VERNON HERDS
DECORAH, IOWA

SHORTHORN SALE

Annual fall sale in pavilion

MARSHALLTOWN, IOWA
MONDAY, SEPTEMBER 24th

73 HEAD—30 Bulls, 43 Females

A splendid lot of good young bulls ready for immediate service and a desirable lot of females, some with calves at side, others include bred cows and heifers and open heifers. Consigned by leading breeders of Marshall County and adjoining territory. Good breeding, desirable quality. Ask for Free catalog. Please mention this publication when writing. Address

J. H. Packer, R. 4, Marshalltown, Ia.

19th Annual Tri-County
Guernsey Sale

Sept. 25th, Near Kalona, Iowa

70 HEAD Guernsey breeders of Iowa, Johnson and Washington counties present 10 choice Registered bulls, best blood lines. Thirty pure bred and high grade cows, some fresh, others springers. Many with high C.T.A. Records. Thirty bred and open heifers. For **FREE** catalog write mentioning this publication. Address

MARVIN MATTHES, Mgr.
WELLMAN, IOWA

Durocs at Auction

FRIDAY, SEPTEMBER 28th

50 Head—30 Boars, 20 Gilts mostly sired by **FAIR ACE PROFIT** by Profit, 1944 Minnesota Grand Champion. Also litters by TOPS, CIMARRON, ROYAL KING, IOWA FALLS MODEL and FANCY VICTORY. All are low-down, wide-backed and dark red. Farm 9 miles west of Hopkinton or 4 miles east of Ryan. Plan to attend. Ask for FREE catalog. Please mention this publication.

VINCENT HARRINGTON, Hopkinton, Ia.
Telephone 126F29—Ryan
Auct. Guy Pettit.

HEREFORD SALE!

Western livestock pavilion

WATERTOWN, SOUTH DAKOTA, OCT. 3

Choice Registered Herefords. **Thirty** splendid bulls and a small number of yearling heifers, **REAL PRINCE DOMINO** breeding, a fine lot. You will like them. Plan to attend. Ask for **FREE** catalog, mentioning this publication. Address

HENRY M. WITT & SONS, BUTLER, So. Dak.

Fred H. Michaelson Sale
Hampshire Boars and Sows

45 BOARS AND 40 SPRING GILTS

Ida Grove, Iowa, Friday, Sept. 28

Just tell the boys for me that I am back again with one of the finest offerings of Hampshire boars and sows that I have ever raised and the best bred lot. These have been well grown and they are good. You will find a lot of good herd boar material in my sale this year and if you are looking for gilts I certainly will have them for you. These will be sired by Grand Surprise by Grand High Roller; New Century Blender, a grandson of The Blender; and The Mixer, another son of The Blender. I am also selling a litter by The Road To Glory. The gilts are daughters of The Masterpiece, Roger's Century Fashion, One A, the boar that sold for $3,000. By all means send and get my catalog as there are things in it that will interest you. When writing for it please mention Wallaces' Farmer and Iowa Homestead. Bids sent to M. T. White, in my care, will be guaranteed all right.

FRED H. MICHAELSON, IDA GROVE, IOWA
Chas. Taylor, Auctioneer — M. T. White, Fieldman

THE MAN-CRY-CO.
Poland China Sale

35 Boars—5 Choice Gilts

The Big, Wide, Thick, Heavy Boned Kind, Weighing 350 lbs. at Seven Months

Manning, Iowa, Oct. 3rd

SALE PAVILION

Sired by **BEST OF ALL**, the junior champion at the Nebraska state fair in 1944, and **SUPER BOMBER**, the oustanding pig of 1944, by the Illinois grand champion BLACK BOMBER. The dams of this offering are daughters of Maxim, Overall, Black Bomber, Wide Out and other noted sires. This is the best offering of boars ever presented from this herd. They are the easy feeding kind, the kind that farmers and feeders have always wanted. Some really outstanding herd boar prospects that can be used on any herd in the land. Write for catalog which gives full information. Plan to attend and own some of this superior breeding stock. Poland Chinas cross well with any other breed. Records show that Poland Chinas are the farmers' favorite pork producers. When writing for catalog please mention Wallaces' Farmer and Iowa Homestead. Send your bids to M. T. White in our care. Address

MAN-CRY-CO. FARMS, MANNING, IOWA
Col. H. S. Duncan, Auctioneer. — M. T. White, Fieldman.

Thompson's Duroc Sale!

30 Boars—20 Gilts

Lake City, Iowa, October 1st

These are sired by **THE CHAMP**, one of the greatest boars I have ever owned, and he is the greatest son of the noted boar Masterpiece. Most of my offering are sired by this great boar. Sale at the farm, three miles west of town, on paved highway. Write for my catalog at once and mention Wallaces' Farmer and Iowa Homestead. I am selling some choice gilts in this sale. Address

JOHN THOMPSON, LAKE CITY, IOWA
Col. H. J. McMurray, Auctioneer.

QUALITY

EL JON FARM'S # POLANDS

Sale at farm, one mile east of

ROSE HILL, IOWA, TUESDAY, OCTOBER 9th

60 HEAD—25 Top Boars, 35 Excellent Gilts

One of the finest offerings of **top quality** Polands to sell this year. An outstanding litter—full brothers and sisters to top boar 1944 sale, the $1,300 **ALL DIMENSIONS**, one of the greatest boars of the breed today. Also a great litter by **BLACK BOMBER**, 1944, Illinois champion. Others by **EL JON SUPREME**, and **CENTER-O-ROADER**. Breeding and quality without an equal. Remember the great **ALL DIMENSIONS**, that topped our last sale, now in the Carl Hirsch herd, considered one of the truly great boars of the breed. Plenty more this year of equal quality and merit . . . nothing better. Also sell 5 choice sows with litters, and several late uncataloged gilts, ideal to produce top pork. Plan now to come. Ask for **FREE** catalog. Please mention this publication. Address

EL JON FARMS, ROSE HILL, IOWA
H. S. Duncan, Auctioneer

FOREST'S POLANDS

Sale at farm adjoining town

OCT. 11th A great lot of Spring boars and gilts. **Fifty** big rugged boars and **35** excellent gilts mostly by the great sire **TAKE-A-PEEK**, a few by **FLASHY BOY**, a son of The Warrior, and a few by **TYPE SETTER**. Plenty of new blood for old customers. The quality and type that will please from one of the oldest and most reliable herds of the breed. Plan to attend. Ask now for **FREE** catalog. Please mention this publication.

EDW. E. FOREST
Mt. Vernon, Iowa

JOHN D. GATES & SON'S SALE
Spotted Poland Chinas

RAVENWOOD, MISSOURI,
OCTOBER 4, 1945

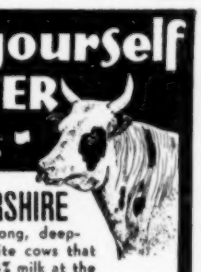
90 HEAD

40 Boars, 50 Gilts

The most outstanding offering we have ever listed for a public auction. 50 outstanding boars, among which are some wonderful herd heading propositions. Also 50 head of the greatest gilts that will sell in any sale this fall. Sired by **WIDE OUT** and **THICKSET**, two of the greatest boars now living. Ours will be the sensational offering of the year. Send at once for our illustrated catalog and please mention Wallaces' Farmer and Iowa Homestead. Address

JOHN D. GATES & SON
RAVENWOOD, MISSOURI
Chas. Taylor, Auctioneer

Buy yourself a BETTER BULL



OWN an AYRSHIRE

and raise big, strong, deep-bodied red and white cows that produce the most 4% milk at the least feed cost—cows that are hardy, rugged, good grazers, and that carry perfect type udders. High carcass value.

Ayrshire Bulls are scientifically bred for heavy and economical production under average farm conditions.

Write for literature or names of breeders with stock for sale

AYRSHIRE BREEDERS ASS'N.,
47 CENTER ST. BRANDON, VT.

MULE SALE!

To be held in sale pavilion, rain or shine

Wellman, Ia., Sept. 18

55 HEAD For this consignment sale. We offer choice colors and quality which include:

10 TWO-YEAR-OLDS
20 YEARLINGS
25 COLTS

And a number of well broke, first class work mules. A sale bill sent **FREE** upon request. Write

V. D. NICKELL, WELLMAN, IOWA
Aucts. Lew Hansen and H. B. Peterson.

Poland Sale

At farm 6 miles southeast of

MONTICELLO, IOWA, OCT. 12

37 Boars, 30 Gilts

A great lot by **THE WARRIOR, MATADOR, LUCKY STRIKE** and **THE CHIEFTAIN.** The best offering we have ever sold. Good quality, well grown, suitable for breed improvement. **COME!** Ask now for **FREE** catalog.

HELGENS BROS.
Monticello, Iowa

JOHN SWANSON & SON'S SALE

HIGHLY BRED Scotch Shorthorns!

Dorothy Glester, one of the choice heifers selling in our sale.

55 Head

20 BULLS

35 FEMALES

Estherville, Iowa, September 26, 1945

We are selling what we think the best lot of cattle we have ever listed in a public sale. There will be 55 head, among which are 20 bulls and 35 heifers. All 1944 calves. A production offering of rare excellence. Our bulls are sired by N. U. Royal Nugget, one of the best roan bulls in western Iowa, also by Brawith Gold Nugget, by N. U. Gold Nugget, he by old Brawith Rambler. Our heifers are a very classy lot from beginning to end; are bred to N. U. Royal Nugget, he by N. U. Gold Nugget, tracing back to Divide Defiance, a Denver champion. Others bred to Divide Defender, an outstanding bull. We are selling Rosewoods, Broadhooks, Duchess of Glosters, Victorias, Golden Drops, Mayflowers, and Queen of Roth tribes. The sale will be held at our farm, 1¾ miles south of Superior, which is six miles west of Estherville, on paved road. We will appreciate your presence at our sale and we know you will be satisfied with our cattle. Write for our FREE catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

JOHN SWANSON & SONS, ESTHERVILLE, IA.

Col. J. E. Halsey, Auctioneer. M. T. White, Fieldman.

NODAWAY COUNTY

Aberdeen Angus Annual Cattle Sale

— 65 HEAD —

of Very Choice Females

Maryville, Missouri, October 2, 1945

Hal Catterson, President; Hal T. Hooker, Secretary and Treasurer; Henry Zimmerman, Assistant Secretary

This sale will be held at the "71" Sale Pavilion on the south edge of the city. Sale to start at 1:00 o'clock p. m. There will be 65 head of very choice females in this sale, ranging in age from yearlings to cows with calves at foot. Such families as Joana and Elba Ericas, Miss Burgess, Prides, Queen Mothers and other very choice lines of breeding will be represented. The following consignors are offering the public cattle that they feel will be a permanent advertisement to them in the future sales which they expect to hold yearly.

CONSIGNORS:—Hal Catterson, Paul Shultz, Paul Pappert, Scott Sawyer, Henry Horton & Son, Karl Zimmerman & Son, J. L. Frueh, F. M. Townsend, F. B. Houghton, Mrs. R. M. Evans, Mrs. May Larmer, John Thompson, Leo Berg, Denton McGinnis, Walter Sturm. This sale affords a rare opportunity to secure a carload of choice young females, as well as a valuable addition to any established herd.

Write for catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

Hal T. Hooker, Secy. and Mgr., Maryville, Mo.

Roy G. Johnson, Auctioneer. M. T. White, Fieldman.

Attend the Meeks Ranch sale on October 1 and ours on October 2. A through highway connection on No. 4, all hard surface.

Iowa State Milking Shorthorn

SHOW 10:00 A. M. **SALE** 1:00 P. M.

Dairy Cattle Congress Sale Barn

WATERLOO, IOWA, FRIDAY, SEPT 28th

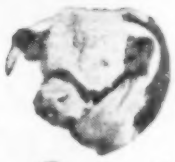
46 HEAD—BEST AVAILABLE IN IOWA

The cattle selected are suitable for foundation cattle and improvement to pure bred herds, all rich in breeding. 20 Cows and heifers, fresh or heavy springers, . . . several baby calves. 26 attractive bred and open heifers. Plan now to attend. Ask for FREE catalog, mentioning this publication. Address

HARRY CLAMPITT, Sale Mgr. NEW PROVIDENCE, IOWA

SOUTHEAST IOWA

Hereford Breeders Assn.



SHOW 9:30 A. M. **SALE** 12:30 Noon

Judges: John Wisdom and Charley Hendricks

(Location south edge of town, 4 blocks south of East side of square in Lamson pasture.)

Fairfield, Iowa, Tues., Oct. 2

87 HEAD—26 BULLS, 61 FEMALES

A desirable lot of good young cattle, richly bred, selected from the best herds in this section. Nine grand young cows with calves at foot, the others top young heifers, several bred and others sell open. They are consigned by 26 leading breeders. The consignors are:

	Bulls	Females		Bulls	Females
Brown & Zeller, Packwood	1	5	Dr. R. F. Miller, Fairfield	0	[illegible]
Geo. Cox, Lockridge	1	0	Maplecrest Herefords, S. English	0	1
S. Burns, Pulaski	1	2	Earl D. Noller, Sigourney	1	2
B. M. Burns, Milton	2	0	Guy N. Orndoff, Milton	2	0
Robt. Chatfield, Douds	2	5	S. Orndoff, Keosauqua	0	3
Sam T. Gilbert Est., Fairfield	0	3	Max Schomberg, Letts	1	1
Carl E. Johnson, Winfield	2	1	Geo. H. Scott, Mt. Pleasant	1	4
N. K. Hartley, Hillsboro	2	2	R. H. Smutz, Mt. Pleasant	2	1
Lester Hafner & Sons, Letts	2	2	R. C. Wells, Washington	1	9
Lorna Jeanne Heald, Packwood	0	1	Merton Wright, Mt. Pleasant	2	2
Robert Heald, Packwood	0	1	Verne P. Wright, Mt. Pleasant	1	1
Ralph G. Lowe, Letts	0	4	Alva Horras, Fairfield	1	1
Letts & Turkington, Letts	0	2	Leland White, Douds	1	6

You can find bulls or females that will appeal to those interested in better cattle. This is a class of cattle that will make good for you, they are pleasing in type and quality. The large number affords a wide selection. Bargains are in store. **COME.** Ask now for catalog, address

Mervin Zeller, Secy., Packwood, Ia.

Auct. J. E. Halsey

25th Anniversary Hereford Sale of

Wiese Brothers and Others

At Wiese Farm, located 15 miles northwest of Davenport on all-weather road

DONAHUE, IOWA, WED., OCTOBER 3, 1945

***60 HEAD*—22 Splendid Bulls, 38 Desirable Females**

A fine lot of richly-bred cattle from the Wiese Bros. and 5 neighbors which include **HOLST BROS.**, Davenport; **EARL HARRING**, DeWitt; **WALTER GREIP**, DeWitt; **DALE PAUSTAIN**, Walcott, and **VICTOR TILLY**, Walcott. The bulls include most all ready for service and bulls that will please critical cattlemen. The females include a few cows with calves and rebred, a few bred heifers and a grand lot of attractive open heifers, just right to mate to your herd sire. All popular breeding. Sires represented include **LETSTON LAD 142d, READ BRUCE D. K. 11th, REAL BRUCE D. K. 16th, ANXIETY DOMINO 6th, PRINCE BLANCHARD 41st, DOMINO REPEATER** and others. The breeders, farmers and Corn-belt feeders can find what they want in this auction. Make plans now to attend. Ask for **FREE** catalog. Please mention this publication when writing.

WIESE BROTHERS, DONAHUE, IOWA

Auctioneer J. E. Halsey

Nelson & Paulsen's Sale

SPOTTED POLAND CHINAS

BLAIR, NEBRASKA, OCTOBER 2, 1945

Sale at farm, one mile west of Blair, Nebraska on Highway 91

50 Boars—40 Gilts

This is the greatest offering we have ever sold since we have been in the business. These are sired by STARBEAM, he by Defense Bond, out of the Carlson herd, also by CHIPPEY, the $1,500 boar, sold by Kitty Klover. This boar was bred by Jim Nelson. These boars and gilts are out of the greatest sows on our farms. No better breeding can be found and no better Spots will sell in any sale this fall. Write for our catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

NELSON & PAULSEN, BLAIR, NEBR.

Charley Taylor, Auctioneer

Klocke's Spotted Poland Sale

Manning, Iowa, (Night Sale) October 9

I made one of the greatest sales of Spotted Poland Chinas last winter, and here is another offering that is just as good. I will sell forty of the best boars that will be sold in any sale this fall and I want you to be with me and see them. These will be sired by my great boar Feeder's Quality, also by Dollar Sign, and out of the top sow in the Clifford Pittstick sale last winter. Other good boars by Dollar Sign and Manning's Pride. Write for my catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Address

ALBERT KLOCKE, MANNING, IOWA

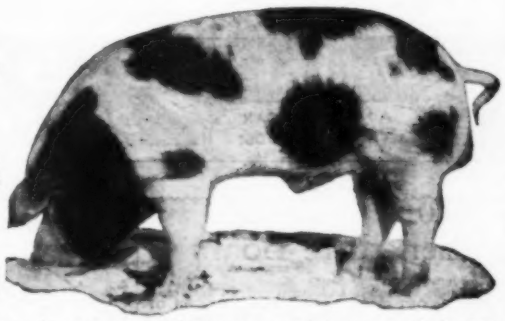
Charley Taylor, Auctioneer

BUY A VICTORY BOND TODAY — SAVE YOUR BONDS

MILES M. and MAX MANN SALE

Spotted Poland Chinas

50 HEAD
Of High-Class Boars



WOODBINE IOWA
Sat'y, Oct. 6

This in our twenty-fifth sale of Spotted Poland Chinas and it is one of the best offerings that we have ever listed for a public aution. These boars are mostly sired by King of Feeders, out of the $3,800 litter in the Lippold sale last year, and are very good. Others are sired by Feeder's Quality and Quality Plus, the three greatest boars we have ever used in our herd. Nos. 1 and 2 are sired by King of Feeders and they are out of a dam by Old Prentice, a boar we have used with great success in our herd. Here are two boars that will make real herd boars. Nos. 4 and 5 are also sired by King of Feeders and are out of a dam by Old Selection and are good. Then there are two good boars by King of Feeders and these are out of a Strongheart dam. Other boars in the sale by Quality Plus and out of Strongheart dams. Quite a few of these boars are out of dams by old boar Prentice. It is a very toppy offering and one that you are going to like. Write for our illustrated catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Bids sent to M. T. White, representing this paper will be properly handled on day of sale. Address

MILES M. and MAX MANN, WOODBINE, IOWA
Chas. Taylor, Auctioneer

Carl Hebner's

SPOTTED POLANDS

50 BOARS 50

Jefferson, Iowa, October 9th

I am selling the best lot of boars that I have ever raised and they are sired by my great boar Ranger, that everybody last fall pronounced one of the greatest boars of the breed. He is certainly siring the kind that all the boys want and he is proving as good a sire as he is an individual. Others are sired by Modern Pioneer, the boar that cost me $650 in the C. W. Nelson sale and he is all that we expected, and you will find a lot of good boars by him when you come to my sale. We are also selling the tops from two litters, by Spotlight and Farmer's Pride. Also some choice boars by Neon, a boar I bought in the Carlson sale. Write for my catalog at once and mention Wallaces' Farmer and Iowa Homestead. M. T. White will represent Wallaces' Farmer and Iowa Homestead at my sale and will take care of any bids sent in his care. When writing for catalog address

CARL HEBNER JEFFERSON, IOWA,

O. W. Jones & Son Sale

Fall and Spring Hampshire Boars

Ute, Iowa, October 1, 1945

In times past we have raised some splendid offerings, but this is the greatest lot of boars we have ever put in an auction and we are selling 5 good fall boars and 45 spring boars. These are sired by Broadway, one of the best sons of Transformer. Others by Grand Star and Rocket Score, and one sensational litter by Sugar Grove Score—9 in litter—4 boars and 5 sows, and this is the greatest litter we have ever raised. Write for catalog and please mention Wallaces' Farmer and Iowa Homestead. Address

O. W. JONES & SON, UTE, IOWA
Col. H. J. McMurray, Auctioneer. M. T. White, Fieldman.

B. F. ANDERSON & SONS SALE

Poland China Boars

50 — HEAD — 50

BOTNA, IOWA, THURSDAY, OCTOBER 11

We are selling a grand lot of spring boars in this sale, as good as we have ever raised. The most of them are sired by NEW DESIGN, one of the best breeding boars we have ever owned. These are out of dams by Kayo and other noted boars. Write for our catalog and mention Wallaces' Farmer and Iowa Homestead. Address

B. F. ANDERSON & SONS BOTNA, IOWA

BREEDERS' SALE OF HIGHLY BRED

Scotch Shorthorns

TO BE HELD AT WEST SALE BARN

Gold Bar Revenue 263912, one of the highest selling bulls of the year, will be at the sale.

13 BULLS

41 FEMALES

Carroll, Iowa, Thurs., Sept. 27th

Consignments From Four of Iowa's Best Herds

GEORGE STRUVE & SONS, Manning, Iowa: We are selling what we think the very best lot of heifers and young bulls that we have ever listed for a public sale. These are sired by Goldfinder's Symbol, he by Goldfinder's Favorite by Supreme Goldfinder. This bull is the sire of all the heifers except one and she is by Edellyn Rival Mercury, and Edellyn Moray Mercury, our junior herd bull. He was the top selling Mercury bull in the Edellyn sale in 1944. We will have a few bred to him. The most of these are full sisters to the heifers sold in our sale last year. There are 7 very choice heifers and 9 outstanding young bulls of the same breeding. Some of these are real herd leaders.

W. E. SUMMERVILLE, Gray, Iowa, is selling 16 very choice heifers and one bull. These are all young cattle. They are sired by a son of Fascinator and are yearlings and 2-year-olds. Among these are Gills, Bruce and Marr Mauds, Strowhan Buttercups, Belle of the Boyne. Half of these are sired by Romeo, a Helfred bred bull. There will be six 2-year-olds among these and they are absolutely good.

ROBERT A. WRIGHT, Carroll, Iowa, is selling 8 heifers and one bull in this sale. The bull is Marell Bar Sir Edward by Klaymor Foot Print, and he is out of a daughter of Collynie Justright. He was one of the top lessing bulls last year. He is also selling 8 very choicely bred Canadian heifers. Some of these are bred to Gold Bar Revenue, one of the top selling bulls in Canada last year, paying $3,500 for him. You will all want to see him at the sale.

HERMAN B. LEIDING, Arcadia, Iowa, is selling one good son of Bapton's Major and one nice roan bull by Sui-A-Bar's Strathroy. Also a couple of very choice cows with calves at foot. He is also selling some of the best cattle in the sale. Write for catalog at once and please mention Wallaces' Farmer and Iowa Homestead.

GEORGE STRUVE, Sale Manager, MANNING, IOWA
Col. J. E. Halsey, Aukt. M. T. White, Fieldman

Nelson's Spotted Polands

To be held at fair grounds

HARLAN, IOWA, TUES., OCT. 2, 1945
Night Sale 7:00 P. M.

68 HEAD—48 Boars, 22 Gilts

One of the finest lots of Spotted Poland Chinas to be sold this fall. All are well-grown, real toppers, the easy-feeding kind, that are thick with quality. They are sired by **FEEDERS WIDEBACK** from Bob Beck herd; **SILVER FLASH**, from the Welch & Stoddard herd, and a few by **MODERN FORT**. My sow herd is by **RIGHT TYPE, ROYAL PATTERN** and **MODERN FORT**, best in blood lines. Plenty of new blood for old customers. This is an event you will want to attend. Ask for **FREE** catalog now. Please mention this publication when writing.

C. W. NELSON, HARLAN, IOWA
Col. Chas. Taylor, Auctioneer

Spotted Poland Boar Sale

Harlan, Iowa, October 1st

(Night Sale)

— 40 BOARS—25 GILTS —

The greatest offering to be sold in any sale this fall. Mostly by **GOLD BOND**, the widest and thickest boar I have ever owned, he is siring the right kind. Others are by **WAR RATION**, the great boar sold to Deerfield Farms, considered to be one of the best of the breed. Also a top litter by **KING OF FEEDERS**. The Easy-feeding kind, many will weigh from 250 lbs. to 300 lbs. sale day. If you want the best, come. Write for **FREE** illustrated catalog. Please mention this publication. Address

HARVEY C. LARSEN, ELKHORN, IOWA
Col. Chas. Taylor, Auctioneer

Are You That LUCKY FARMER

who is going to get a tractor, combine, cornpicker, hay baler, automobile, truck, or pickup? If you are, we can arrange your financing quickly if you will write us complete description of what you are buying and the name and address of the dealer from whom you are buying. Write, wire or phone

STERN FINANCE COMPANY
Telephone 3-8131
736 Des Moines Bldg., Des Moines, Iowa

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FRED REPPERT SCHOOL OF AUCTIONEERING
Box 8, DECATUR, INDIANA

WINNING of Proven Sires afore get, his and gets' placings International or National Dairy informed selling; sire by 1st, sen. yrl'g '39, his get has won GC 2C 3/1 4/6-8, etc. Each breed. Sire list for breeder. Taught. G. F. Sargent, Auct. and Pres. Sargent's International Auction College, 424 6th St., Sioux City 16, Iowa.

BEEF CATTLE

POLLED HEREFORDS

HORNLESS

The ideal breed for Corn-Belt farmers . . . they prefer cattle without horns. The most popular breed in farmers' feed-lots today. They mature early, respond to feed . . . make rapid gains and are market-toppers. Improve your herd with a **POLLED HEREFORD** bull. Ask for "**ADDED VALUE**," a FREE illustrated booklet, also list of breeders.

AMERICAN POLLED HEREFORD ASSN.
710 Old Colony Bldg., Des Moines, Iowa

Polled Shorthorns

All the advantages of other beef breeds with none of the disadvantages

Mature fastest on cheapest feeds—best dispositions—naturally hornless—greatest flow of milk for early maturing calves — healthy — prolific — hardy —good doers—ideal type—fastest growing breed. BUY POLLED SHORTHORNS. Send for FREE information and nearest source of supply. Subscribe to SHORTHORN WORLD, semi-monthly, $1 a year.

Polled Shorthorn Society
Dept. 607, U. S. Yds. Chicago 9, Illinois

REGISTERED ANGUS COWS

Fifteen cows from 3 to 9 years old, some with calves, sired by good son of BAR SUNBEAM, others to calve soon to same sire and ENVIOUS GEORGE OF TARKIO by Envious Blackcap B. 10th, that sired ERIAN B. 7th, the $30,000 bull. All but 5 bred by us and are the best producers in our herd. Also a few yearling bulls. Write or phone 103, or make appointment after Sept. 20th.
MULLENIX ANGUS FARM
TRUSTEN MULLENIX UNIONVILLE, MO.

Polled Hereford Bulls

Choice yearlings, excellent quality, well-marked. Sire, ADVANCE DOMINO 30th Breeding. Reasonable.
MRS. JOHN KELLEHER WINTERSET, IOWA

HEREFORD BULLS—FEMALES

Choice bulls serviceable age by **WHR TRIUMPH DOMINO 13th** and **WHR HERITAGE 27th**, also a few splendid females. Best blood lines. Priced to sell.
A. J. MINISH & SON DYSART, IOWA

Polled Shorthorn Bulls

Sired by **Dales Crown** and **Shadybrook Knight**. Farm on paved highway No. 169, 30 miles north of state line.
BERT A. HANSON, VERNON CENTER, MINN.

20 Shorthorn Cows, Calves at Foot

All Scotch, Rosewoods, Missies, Lady Maders, Mayflowers, and others, calves sired by Helford Lovat Star, mostly heifer calves. Real bargains. Come and see them. Address
CHAS. N. SORNSON AUDUBON, IOWA

SHORTHORN BULLS

Six choice Scotch bulls, reds and roans, good quality, 10 to 14 months old, by Champion **STROWAN SQUALUS**. Best in breeding. Reasonable. Write or visit.
CLEM LARSON CALLENDER, IOWA

POLLED SHORTHORNS

Choice bulls, serviceable age, splendid quality, best of blood lines, reasonable.
C. R. FABER JEWELL, IOWA

DAIRY CATTLE

BROWN SWISS

Good young cows, springers, open heifers, also bull calves. Choice of 50 head. T. B. and BANGS tested.
ALFALFA KNOLL FARMS
Bauer & Rocke Carlock, Ill.

Registered Jersey Heifers

Twelve choice heifers, 6 to 18 months old, by Les Jardins Pioneer Noble and Shady Rest Volunteer Jester. Out of heavy producing dams. If interested write to
LEO ALESCH JERSEY DAIRY, LE MARS, IA.

DAIRY CATTLE

Oakland Guernsey Farm

Mukwonago, Wisconsin offers 5 to 30 high-grade beautifully marked, month old heifer calves at $39 each, delivered on approval, also older heifers. All have real quality and are tested.

BULL AND HEIFER CALVES

Beautiful Holstein, Swiss and Guernsey bull and heifer calves. Registered and grades. Good breeding. Reasonable. Will ship on approval.
J. M. McFarland, Watertown, Wis.

Shomont's Holstein Bulls

Bred for type and production. Priced reasonable.
SHOMONT FARMS AND KENNELS
MONTICELLO, IOWA

FOR SALE

High Grade Holstein cows and heifers to freshen this fall. Also High Grade Holstein heifer calves from 10 days to 3 weeks old. Phone No. 64.
R. C. JONES WEST CONCORD, MINN.

High Grade Holstein Heifers

Offering choice month old heifers, in lots of 5 to 20, at $32.00 each delivered.
H. R. LOBDELL, Mukwonago, Wis.

WISCONSIN HOLSTEINS

Choice month old heifer calves, without papers, laid down at your station. $31.50 each, the right kind.
CLAYTON CHANDLER
Route 2 Lake Geneva, Wisconsin

PUREBRED JERSEY BULLS

Four bulls 3 months to 1 year. Sired by the son of a 5-Star bull. Herd averaged over 400 lbs. per cow for 5 years. Established 1915. Reasonable.
PAULUS JERSEY FARM, UNDERWOOD, IOWA

WISCONSIN DAIRY CATTLE

Holsteins, Guernseys and Brown Swiss. Fresh cows, heavy springers, heifers and calves. Nebraska's largest shipper of dairy cattle.
PAUL W. ROLFSMEIER, SEWARD, NEBRASKA

GOLDEN SUNSET JERSEYS

10 exceptional young bull bargains. Must sell before winter. Free list.
ENNIS STOCK AND DAIRY FARM
FESTUS, MO.

DUAL-PURPOSE CATTLE

MILKING SHORTHORNS
FOR 4% MILK & GREATEST SALVAGE VALUE

Official as well as "on the farm" records under average farm conditions *prove* that Milking Shorthorns are best all-round breed! Produce 4% milk and have greatest salvage value of all milk breeds! Get the facts—FREE! Or read Milking Shorthorn Journal. Trial subscription six months 50¢, one year $1.00.
MILKING SHORTHORN SOCIETY
809 West Exchange Ave., U. S. Yards
Dept. WF-5 Chicago 9, Illinois

Milking Shorthorns At Private Sale

Because of poor health and the labor shortage we are offering 200 head, or two-thirds of our herd for sale. Bulls from 2 to 14 months. Females from 2 months to mature cows. The best of Bates-Clay and Imported English families, with the highest milking ancestry possible to get. Priced to sell. We will also sell 100 of our purebred Dexter cattle.
Peerless & Belle Vernon Herd Decorah, Iowa

DUAL-PURPOSE SHORTHORNS

An extra choice lot of bulls from calves to serviceable age. Mostly by our senior herd sire **197th Duke of Iowanna**. A "Model Type" dam official record of 450 lbs. butterfat in 10 months as 3 year old; granddam with 523 lbs. in 10 months as 5 year old. Real quality and production. A herd bull for anyone. Priced from $125 to $500.
J. RUSSELL CURRIER
Mason City, Iowa

Polled Milking Shorthorns

Red and roan, heifer and bull calves 1 to 5 months old. Also dark red Polled 5 year old herd bull. Excellent sire and gentle. Buy Milking, Fleshing, Hornless Type.
SIG. OTDOERFER, STRAWBERRY POINT, IA.

HOGS

DUROC SPRING BOARS

Choice heavy-boned, deep-sided, dark red, easy-feeding kind by WALT'S CHERRY MODEL, ADVANCE KING, VICTORY MAJOR, DEEP BOY, WELL BUILT and one litter by full brother to National Junior Champion, that sold for $1,000. The dams out of my great sow herd by ROYAL KING and VICTORY MAJOR. Vaccinated and from clean herd. Write or visit. Satisfaction guaranteed.
Walter Hirt, Hartley, Iowa

Berkshire Fall and Spring Boars

I am now offering a few very choice Berkshire fall and spring boars, sired by Omaha 3rd Again, a son of old Omaha 3d South Dakota grand champion in 1942. A few choice spring boars sired by Epoch's Champ Masterpiece, he by a son of Epoch's Champ, the sire of many champions. Also a limited number of fall gilts, sired by Omaha 3d Again and bred to Epoch's Champ, Masterpiece. Write or come and see me. Mention this paper. Address
C. E. Conover, Holstein, Iowa

SPOTTED POLANDS

Choice, big, thick, rugged fall boars. By outstanding top, easy-feeding boars. The right kind. Visit farm or write.
KRAMER BROS. ADRIAN, MINNESOTA

REGISTERED SPOTTED POLANDS

If you like the low-down, big boned, deep bodied, wide backed kind don't fail to buy one of my fall or spring boars, sired by Royal Rocket, Pockets Model and Blue Token. Several sows to farrow. Mail orders filled.
PETER WITT KEYSTONE, IOWA

REGISTERED DUROCS

TWENTY boars, TEN gilts. They sell themselves. Every hog guaranteed. Act now. Farmer prices.
DONALD E. HORNER ACKLEY, IOWA

VINCENT DRUMMY—DUROCS

Registered boars and gilts by TOP MASTER, member of sensational litter by $3,000 TOPS. Dark red, deep-bodied, thick kind. Immune. Farm 1 mile east Ryan Catholic Cemetery.
VINCENT DRUMMY RYAN, IOWA

THESE ARE GOOD FEEDS!

Bolson's Pig Meal—for all pigs under 75 lbs. Has proteins, vitamins and low fibre content.
Bolson's 20% Egg Mash.
Bolson's 17% Starting and Growing Mash.
Bolson's 36% Concentrate for mixing with corn and oats.

Bolson's Hi-Test Mineral Protein Conditioner—for pigs and hogs over 75 lbs., also for cattle, calves and sheep. Has proteins, minerals, vitamins, conditioning powders, plus phenothiazine for worm control.
Bolson's 26% Grain Balancer for free choice feeding.

All these good feeds are sold by reliable feed dealers only.

The L. C. BOLSON Co.
A NAME YOU CAN TRUST IN FEEDS!
DECORAH, IOWA.

HOGS

FOREMOST FARMS Berkshire Boars

Now offering spring boars, March and April farrow, double immuned and registered at $65 each, by **FOREMOST MONOGRAM, NEWS FLASH OF OAKWOOD** and **FOREMOST SPECIAL** . . . State and National grand champion blood lines. Satisfied customers in 40 States. Write now to
A. E. BLAUM WAVERLY, OHIO

Spotted Poland Chinas

The farmers' hog, away out ahead when it comes to low down, long, easy feeders. For information on profitable pork production write
FRED L. OBENCHAIN, Secretary
3153 Kenwood Ave., Indianapolis 8, Ind.

HIGH CLASS DUROC BOARS

We have a very good growthy bunch of spring boars to offer our customers this year, sired by **Ringmaster** 173419, and **Thick Set Crusader** 165673 mostly. A few litters by other sires. The fastest growing pigs we ever raised. The tops of the crop of 220. Pigs vaccinated. Location of farm: 4 miles west of town on No. 30 and 1 mile south and one-half mile west on gravel.
SAM ROBERTS & SONS, JEFFERSON, IA.

Outstanding Hampshire Boars For Sale

I am offering 3 fall boars, one of which is the outstanding fall boar of the year, sired by Century Bombadier, the senior champion at Lincoln and out of a dam by Century of Earlham. Thirty other choice spring boars by Century Bombadier and Century of Earlham. If you are looking for herd boar material I certainly have them for you. Come and see me first. Address
DICK POWELL HARLAN, IOWA

SHEEP AND DUROCS

Six outstanding two year old rams by All-American **Sunset Stalwart** and some outstanding ram lambs. Forty pure bred **HAMPSHIRE** Ewes also sell. Best in quality.

DUROC BOARS, offered, pure bred top quality. Priced to sell. Act now.
J. C. HOLBERT
Box 492
WASHINGTON, IOWA

HAMPSHIRE BRED SOWS

We are now offering 25 very choice Hampshire bred sows, bred for latter part of August and September. Best of breeding and good individuals. Write, phone or come and see them. Address
PHILLIP JOHNSON & SONS, ONAWA, IOWA

POLAND CHINA BOARS

March farrow. Popular blood lines. Individuals with quality to improve any herd. Priced to sell.
CHAS F. SCHRUNK & SON
MAPLETON, IOWA

40—PURBRED DUROC BOARS—40

Sired by some of the breed's greatest boars. Thick Set and Perfect King, both State Champions. Also some very toppy boars by Lucky Knight and Buddy Flash. Prices are reasonable.
T. E. SMITH PATON, IOWA
F. T. Smith, Mgr.

PRODUCTION-BRED DUROCS

Boars and gilts of right type by **PATHFINDER BLAZER** and **THICKSET LAD**. The thick, deep-bodied, heavy hammed, strong bone kind. 4 official Production Registry litters. 5 Ton litter prospects. Vaccinated. Guaranteed. Reasonable.
CHARLES DAHLKE SCRANTON, IOWA

WE PREPAY EXPRESS CHARGES

and ship C.O.D., pedigreed CHESTER WHITE boars, cholera immuned, smooth, blocky, easy-feeding type. Guaranteed breeders. Forty-six years in business and no dissatisfied customers.
B. M. BOYER & SONS, FARMINGTON, IOWA

Choice Chester White Boars

I am now offering 50 head of the best boars I have ever raised. Sired by Don, Portage Renown and Wonder Boy, and out of the breed's best dams. March and April farrow, medium type.
ROY V. COPP GLIDDEN, IOWA

MOLY'S CHESTER WHITES

I am now ready to sell boars and I have the best lot I have ever raised, and sired by outstanding herd boars. Write me for prices and description. Address
ED MALY MONDAMIN, IOWA

Cockerton Offers Poland China Boars

I have some splendid boars to offer the trade this fall. These are sired by my noted herd boars and out of my best brood sows. Come and see these boars. Address
LYLE COCKERTON WHITING, IOWA

CHESTER WHITE BOARS

Forty outstanding medium type, low-down, thick heavy boned boars, by BALANCER IDEAL, MODERN LAD, and IOWA BEST. They will please most critical buyers. New blood for old customers. Write or Visit.
R. A. REIMENSCHNEIDER, KINGSLEY, IOWA

40 SPOTTED POLANDS

35 boars, 5 gilts sell in my annual sale, **THURSDAY, OCTOBER 4th**. Write for **FREE** catalog.
ARNOLD KRAEMER
FAIRMONT, MINNESOTA

SHEEP

Registered Hampshire Rams

Choice quality, pleasing type, and rich in breeding. Priced reasonable. Write at once or visit now.
A. S. Smith Coon Rapids, Iowa

BUY BONDS AND STAMPS TODAY !!

SHEEP

Registered Corriedale SHEEP

One Hundred rams, 200 registered Ewes, (open and bred) 500 unregistered Ewes. Collie puppies; Shepherds; Rat Terriers; Airedales; Stock Dogs. Prices reasonable—guaranteed. Also 25 registered HAMPSHIRE Rams, Ewes. Farm 1 mile east, Highway No. 34. Office Chariton Seed Store.
Edmond Stone, Chariton, Iowa

Shropshire-Southdown Sheep

I am now in the **Army**, and must sell, yearling, two-year-old rams and ram lambs. Also Ewes and Ewe lambs. **Shropshires** by 1941 Iowa State fair grand champion, over all breeds. The **Southdowns** carry **SANDRINGHAM** and **"DON HEAD"** blood lines. Best in breeding. Reasonable.
RICHARD M. LUTHER, BAXTER, IOWA

SHROPSHIRE SHEEP

Forty choice yearling rams, also good Ewes for seed stock. Rich in breeding, sired by prize-winning Rams. Reasonable.
H. E. HAZEN DENMARK, IOWA

REGISTERED SHEEP

Choice HAMPSHIRE and SOUTHDOWN rams, top quality, excellent breeding. Priced REASONABLE.
EARL SMITH PANORA, IOWA

CHOICE KARAKUL SHEEP

Rams and ewes from high quality bloodlines. All registered in Karakul Fur Sheep Reg. Farm 1 mile north of E. 38th and Broadway.
Woodrow Diehl, R. 2, Des Moines, Iowa

HAMPSHIRE RAMS

Offering 18 purebred, well grown, yearling rams of excellent type. Mt. Haggen breeding. Priced to sell. Write or phone 901.
M. O. TJERNAGEL STORY CITY, IOWA

Oxford and Hampshire Rams

FOR SALE—Best blood lines.
Farmers' prices
JOHN GRAHAM ELDORA, IOWA

SHROPSHIRE RAMS

Having quality and size. Ship on approval.
DANIEL LEONARD & SON
CORNING, IOWA

FOR SALE

Registered Yearling Shropshire Rams with size, bone and quality. From American and Imported sires. Will ship on approval.
N. K. HARTLEY HILLSBORO, IOWA

30 SHROPSHIRE RAMS

Choice registered, well-bred rams, priced to sell.
H. OVERTURFF
LIBERTYVILLE, IOWA

DOGS

FOR SALE

Genuine English Shepherd Pups (Natural Bob tails) all from our own stock. Guaranteed Heelers.
GEORGE SCHUCHMANN
STRAWBERRY POINT, IOWA

Shomont Collies

Workers—Companions—Guards. Write for free lists.
SHOMONT FARMS AND KENNELS
MONTICELLO, IOWA

GENUINE ENGLISH SHEPHERD PUPS.

(Heelers, no fooling.) (Year's trial.) Guaranteed.) Training instructions. Males, females, spayed females specialty. (Several partly trained.)
EMIL RUNFT
Reinbeck - - - - - - Iowa

WANTED TO BUY

Good English Shepherd or Collie pups.
Write Box 1, Wallaces' Farmer and Iowa Homestead

SHEPHERDS, COLLIES

Heelers, Watch Dogs
E. N. ZIMMERMAN
Flanagan Illinois

GENUINE ENGLISH SHEPHERD PUPS

Guaranteed heelers, Year's trial, training instructions. Males, females or spayed females.
HIGHVIEW KENNELS, CEDAR FALLS, IOWA

Genuine English Shepherds

Pups. Guaranteed heelers. Year's trial, training instructions. Males, female or spayed females.
ROY THORNTON HUDSON, IOWA

ENGLISH SHEPHERDS—BORDER COLLIE PUPPIES

All ages, both sexes, choice colors, faithful workers, satisfaction guaranteed.
FAIRMOUNT FARMS CEDAR FALLS, IOWA

English Shepherd Puppies

For sale. Natural-bob-English Shepherd puppies. Satisfaction guaranteed.
WALLACE WINEGAR
BRANDON, IOWA

Up-to-Date News Of Coming Livestock Sales

ABERDEEN ANGUS

Sept. 17-18—Missouri State Show and Sale, Sedalia, Mo.; Dan E. Miller, Secy., Moberly, Mo.
Sept. 18—Central Iowa Breeders, Marshalltown, Iowa; C. G. Mason, Mgr.
Sept. 19—Iowa State Show and Sale, Cedar Rapids, Iowa; Herbert Cline, Secy., Bussey, Iowa.
Sept. 20—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.
Sept. 29—Minnesota State Sale, Blue Earth, Minn.; Clement C. Chase, Secy., Pipestone, Minn.
Oct. 1—Meek Ranch (Dispersion), Milton, Iowa.
Oct. 2—Nodaway County Angus Assn., Maryville, Mo.; Hal Hooker, Mgr., Maryville, Mo.
Oct. 4—Mercer County Breeders, Aledo, Ill.; Hugh McWhorter, Secy.
Oct. 6—Mayo L. Priebe (Dispersion), Waltham, Minn., Minnesota Sales Co., Mgrs., Rochester.
Oct. 8—Iowa County Breeders Assn., Marengo, Iowa; J. C. McCabe, Secy., Williamsburg, Iowa.
Oct. 18-19—Heart of America Show and Sale, Kansas City, Mo.; L. M. Thornton, Secy.
Oct. 22—Iowa-Missouri Breeders, Creston, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.
Nov. 1—H. Ward Benson (Dispersion), Memphis, Mo.; Home Address, 1044 Polk Blvd., Des Moines, Iowa.

HEREFORDS

Sept. 18—Roy E. Fleenor, Mt. Pleasant, Iowa.
Sept. 19—Mid-Iowa Hereford Assn. Show and Sale, Waterloo, Iowa; Mrs. Harold J. Peterson, Secy., Liscomb, Iowa.
Sept. 20—North-Central Missouri Assn., Trenton, Mo.; J. E. Stewart, Secy., Newtown, Mo.
Sept. 25—Ross N. Hagen (Dispersion), Mercer, Mo.
Oct. 2—Southern Iowa Breeders, Fairfield, Iowa; Mervin Zeller, Mgr., Packwood, Iowa.
Oct. 3—Wiese Bros., Donahue, Iowa.
Oct. 8—Lawrence & J. A. Welsh, Waukon, Iowa.
Oct. 20—Breeders Sale, Memphis, Mo.; Geo. E. Leslie, Jr., Mgr.
Oct. 20—Leroy Marcus, La Motte, Iowa.
Nov. 4-5—Wisconsin State Show and Sale, Madison; Homer Graber, Secy., Mineral Point, Wis.
Nov. 12—Creston Hereford Breeders Assn., Creston, Iowa; Roy A. Wilson, Mgr., Creston, Iowa.
Nov. 15—Frayne Farms, Oregon, Ill.
Dec. 10—Western Iowa Breeders, Carroll, Iowa; Francis T. Martin, Sale Mgr., Wall Lake, Iowa.
Dec. 10-11—Iowa Hereford Cattle Breeders Assn., at Sioux City, Iowa; F. W. Ketelsen, Secy. and Mgr., Everly, Iowa.

POLLED HEREFORDS

Sept. 15—(Dispersion) W. H. Campbell & Son, Grand River, Iowa; sale at Chariton, Iowa.
Dec. 10—Western Iowa Breeders, Carroll, Iowa; Francis T. Martin, Sale Mgr., Wall Lake, Iowa.
Dec. 14—Iowa Polled Hereford Breeders, Cedar Rapids; Leigh Curran, Mgr., Mason City, Iowa.

SHORTHORNS

Sept. 17—Southwest Iowa Breeders, Red Oak, Iowa; M. D. Lomas, Mgr.
Sept. 24—Marshall County Breeders, Marshalltown, Iowa; J. H. Packer, Mgr.
Sept. 26—John Swanson & Sons, Estherville, Iowa.
Sept. 27—Geo. Struve & Son, Manning; H. B. Leiting, Arcadia; W. E. Summerville, Gray, and Wright Farms, Carroll, Iowa.
Sept. 28—(Dispersion) Bryan Bros., Red Wing, Minn.
Oct. 1—G. H. Getty (Dispersion), Rippey, Iowa.
Oct. 8—Northwest Missouri Breeders, Maryville, Mo.; Wm. F. Barber, Mgr., Ravenwood, Mo.
Oct. 12—Hellred Farms, Des Moines, Iowa.
Oct. 13—Sni-A-Bar Farm, Grain Valley, Mo.
Oct. 16—M. R. Maurer & Sons, Manchester, Iowa, and L. & A. T. Robinson, Masonville, Iowa.
Oct. 17—Missouri State Show and Sale, Columbia, Mo.; James E. Comfort, Secy.
Oct. 23—Minnesota State Sale, Slayton, Minn.; Fred J. Gerster, Secy., Blue Earth, Minn.
Oct. 26—Shorthorn Breeders, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust St., Aurora, Ill.
Oct. 31—Carl Retzlaff, Walton, Neb.
Nov. 1—Gilbert Kardel, Walcott, Iowa, and Pennington Bros., Wellman, Iowa.
Nov. 8—Illinois State, Urbana, Ill.; H. L. Tulpin, Mgr., Rochester, Ill.
Nov. 15—(Dispersion) Frank L. Beresford, Garrison, Iowa.
Nov. 16—(Dispersion) C. A. McCormick, Mechanicsville, Iowa.
Dec. 3-4-5—National Shorthorn Congress, Chicago, Ill.
Dec. 17—Iowa-Missouri Breeders, Creston, Iowa; Francis T. Martin, Sale Mgr., Wall Lake, Iowa.

POLLED SHORTHORNS

Oct. 1—Iowa State Sale, Marshalltown, Iowa; Earl S. Girton, Secy.
Oct. 10—Sioux Empire Show and Sale, Sioux Falls, S. D.; John White, Secy., Canton, S. D.
Oct. 29—Missouri State Show, Sale, Sedalia, Mo.
Oct. 30—Lewis W. Thieman, Concordia, Mo.
Nov. 2—Bush-Boyle-Collins, Henry, Ill.; Hal Longley, Mgr.
Nov. 3—Illinois State, Normal, Ill.; Hal Longley, Mgr.
Dec. 17—Iowa-Missouri Breeders, Creston, Iowa; Francis T. Martin, Sale Mgr., Wall Lake, Iowa.

MILKING SHORTHORNS

Sept. 18—Daniel F. Dyer (Dispersion), Goodfield, Ill.
Sept. 28—Iowa State Sale, Waterloo, Iowa; Harry Clemens, Mgr., New Providence, Iowa.
Sept. 29—Peerless & Belle Vernon Herd, Decorah, Iowa; Roy A. Cook, Mgr., Independence, Iowa.

DAIRY CATTLE

Sept. 17—Tilney Farms-Roy Phillips (Holstein Dispersion), Lewisville, Minn.
Sept. 25—Guernsey Breeders, Wellman, Iowa; Martin Mattias, Mgr.
Oct. 1—Ted T. Miller (Jersey Dispersion), Clarinda, Iowa; Ivan N. Gates, Mgr.
Oct. 1—Iowa State Brown Swiss Sale, at Des Moines, Iowa.
Oct. 2—Clinton J. Cooper (Holsteins), Hartley, Iowa.
Nov. 6—F. E. Schertz (Brown Swiss Dispersion), Eureka, Ill.
Nov. 7—Schultz Bros. (Brown Swiss Dispersion), Sterling, Ill.
Nov. 19—Iowa Holstein Breeders, Waterloo, Iowa.
Nov. 20—Iowa Holstein Breeders, Spencer, Iowa.
Nov. 21—Plainview Farm, Holstein Dispersion, Sutherland, Iowa.

MULES

Sept. 18—Consignment Sale, Wellman, Iowa; V. D. Nickell, Mgr.

BERKSHIRES

Sept. 17-18—National Show and Sale, Spencer, Iowa.
Sept. 17-18—National Show and Sale, Springfield, Ill.
Oct. 6—(Dispersion) John H. Fitch, Lake City, Iowa.
Oct. 18—Milo Wolrab, Mt. Vernon, Iowa.
Oct. 26—Ray Haynes, Oelwein, Iowa.

CHESTER WHITES

Oct. 1—Clarence Smith, Jr., Cleghorn, Iowa.
Oct. 2—A. L. Bidne & Son, Lake Mills, Iowa.
Oct. 3—Robert Noelke (Night), Clarion, Iowa.
Oct. 3—Ray E. Morehead & Sons, Maquoketa, Ia.
Oct. 4—Henry Jorgensen, Olin, Iowa.
Oct. 10—Robert Lanigan (Night Sale), Fairbank, Iowa; at Waterloo, Iowa.
Oct. 10—C. T. Kern & Sons, Legrand, Iowa.
Oct. 11—J. R. Swanson, Center Junction, Iowa.
Oct. 13—Kinsey Bros., Grimes, Iowa.
Oct. 15—Anderson & Geffers, Grand Mound, Iowa (Night), DeWitt, Iowa.
Oct. 15—Broadway Farm, DeWitt, Iowa.

LIVESTOCK FIELDMEN
J. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska, Phone Walnut 1056.
J. E. HALSEY, 1912 Grand Ave., Des Moines

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

RECONVERSION in agriculture is turning into quite a bit different job than that facing industry. While industry is seeking speedy means to expand production of peace-time goods so greatly in demand, we must find ways to deal with a productive capacity capable of flooding the market. The return of new workers to agriculture, along with the sudden availability of new machinery, will combine to make our potential productive ability much greater. Therefore, it looks like our problem is two-fold: either we must find expanded markets or we must put the brakes on production.

EVEN THOUGH LEND-LEASE has ceased, it's apparent other means of financing food exports to Europe will likely be found. At any rate, with government guarantees set at 90 per cent of parity for the next two years, production is sure to remain high. Early last month, we were tackling problems of shortages, but before the year is out there may be surpluses in some items.

THERE COULD BE MILLIONS more pork chops sizzling in the nation's skillets if we could raise to market age a greater percentage of the total pigs farrowed. It's almost unbelievable, but the American Veterinary Medical Association says disease claims 37 per cent of the crop before they reach market. Meanwhile, the group favors imposing federal sanitary regulations on shippers to remove serious threats of disease outbreaks in rural areas.

WE HAVE HEARD it said many times that O'Brien county, Iowa, is one of the best farming sections of the state, and we readily agree with this. Perhaps it's a coincidence that Walnut Grove should be so well liked in this area, but we don't think so because our minerals are popular in all good farming sections. In the Primghar community, our representative, N. Buis, has men like Albert Mundt, Geo. Green, Art Denny, Jake Rohar, Leonard W. Block and Raymond Mangels as customers. These men are representative farmers and livestock men who know the value of balancing feeds with a complete mineral mixture like Walnut Grove.

EVERY ONE WE TALK TO is all set to lay in a supply of the Army's amazing insect killer—D-D-T. But, until more is known about it, caution in its use is essential. While it does destroy a lot of harmful insects, it's being found that many beneficial ones, along with birds and fish, succumb to its effects. Likewise, it's feared the pest killer may be injurious to soil organisms essential to growing crops if used in heavy concentration.

THINGS ARE LOOKING UP as far as the marketing of more and better grades of beef are concerned this fall. The USDA reports 16 per cent more cattle on feed in 11 corn belt states than a year ago. But we mustn't forget even this number is smaller than for any year since 1937. Shipments of feeder stock into this area have been running ahead of 1944 since the first of the year, with the biggest increase coming in weights over 800 pounds.

SOME MEMBERS of our ten-year club in western Jasper county, Iowa, include Gerald Bauer, Dr. R. G. Anspaugh, Lew Clark, John Geisler and George Donnemeier. Snowden Atwood, who handles and services our products, used them in his feeding plans for ten years before taking up this kind of work—which isn't a bad recommendation for their merit.

TURKEY FOR THANKSGIVING and Christmas probably will be a reality this year because there'll be more available than at any time since the war started. In Iowa, production will exceed 2,100,000, which is an increase of nine per cent. Incidentally, Iowa and Minnesota rank as the biggest poultry producing states in the mid-west, and only Texas and California top them in turkey production.

NOW THAT THE WAR is over, Iowa farmers can wisely plan to restore some of the fertility lost in four years of intensive cropping. Conservation and soil building practices recommended include proper rotation, contour planting, strip cropping, terracing, fertilizing, liming, mowing of grassland, and rotating hay and pasture land. An increase in legumes is advisable because they not only produce a lot of feed per acre, but they help maintain soil fertility while controlling erosion.

DESPITE THE SIMPLICITY of the plow, problems involving this operation are important and often complicated. Opinions as to the value of plowing are wide and varied, yet it's a fundamental field job in all of the better developed agricultural areas. Here in Iowa, farmers favor a good job of plowing, as is evidenced by the huge amount of stubble that's being turned under this month.

THERE'S NOTHING so satisfying to a manufacturer or user as good merchandise, because a good product means a growing busines. Such is true with Walnut Grove in northern Buena Vista county, Iowa, where E. S. Gulling has been our representative for 15 years. Many of his customers have been consistent users over the years—men like: Rueben Nyden, Wm. Holverson, Roy Betz, Ernest Bensington, and Carl Madsen.

IN THESE DAYS when food is needed so badly, it seems tragic several million dollars' worth of eggs are lost annually by breakage. Last year, railroads, alone, paid out about $650,000 for eggs broken in transit. And this figure doesn't cover losses on supplies moved in trucks and autos nor those broken out on the farm.

WITH LAND PRICES already advanced 57 per cent over the five-year average preceding Pearl Harbor, some concern is felt over the possibility of another land boom. The index is just 25 per cent short of the World War I peak, but most groups generally concede farm prosperity has reached the top. This seems logical inasmuch as demands for agricultural products in years to come probably won't approach those of recent months.

IT'S A PLEASURE to check our lists to find so many families who think alike in the matter of mineral feed for livestock. In Scott county, Iowa, there are Carl, Alvin, Lester and Ray Arp—brothers, and all on different farms. Then there's another Arp family—brothers—Gus, Emil and Albert, likewise on separate farms. These men raise and feed out over 1,500 hogs a year. Walnut Grove is used in slop and in ground mixed feed, and is supplied in this territory through George Hirl, who's been with our company eight years.

SCHOOL KIDS ARE BACK in their classrooms after what probably seemed like one of the shortest and busiest summers they had ever experienced. Not much like a vacation for them, but then there hasn't been much of a vacation for any of us the past three or four years. The war cut heavily into the teacher ranks, with it becoming necessary to close over 500 schools, mostly in rural districts, this fall. As a result, 7,500 pupils had to be shifted to other districts, making for added hardships in transportation and greater burdens on teachers in already overcrowded classrooms.

HERE'S AN UNUSUAL STORY about canned corn that'll grow five years after processing. Usually, it isn't necessary to hold seed for any great length of time, but the seed corn boys aren't taking any chances on losing valuable inbred lines which have taken up to 30 years to develop. So they've developed a canning process in which seed sealed in tin and stored under refrigeration will show high germination at least five years. The idea is designed as insurance against loss of field supplies from frost or drought.

SOLD ONLY BY
DEPENDABLE REPRESENTATIVES
Walnut Grove Minerals
Home Office ATLANTIC—IOWA

Coming Livestock Sales
(CONTINUED)

DUROC JERSEYS

Sept. 22—Gene E. Egli, Gilmore City, Iowa.
Sept. 28—Vincent Harrington, Hopkinton, Iowa.
Oct. 1—John Thompson, Lake City, Iowa.
Oct. 1—Iowa Falls Assn., Iowa Falls, Iowa.
Oct. 2—Knotek Bros., Riverside, Iowa.
Oct. 3—Harold C. Timm, Muscatine, Iowa.
Oct. 4—Warrick Bros., Monroe, Iowa.
Oct. 8—Harlan Harper & Sons, Story City, Iowa.
Oct. 12—Forrest L. McCalley, Walker, Iowa.
Oct. 12—Ernest L. McDermott, Wiota, Iowa.
Oct. 13—Barker & Nelson, Iowa Falls, Iowa.
Oct. 17—(Night Sale) Dale A. Christensen, Harlan, Iowa.
Oct. 17—Bert Miller, Lisbon, Iowa.
Nov. 10—Iowa Falls Assn., Iowa Falls, Iowa.

HAMPSHIRES

Sept. 28—Fred H. Michaelson, Ida Grove, Iowa.
Sept. 29—Frantz Bros., Grand Junction, Iowa.
Oct. 1—O. W. Jones & Son, Ute, Iowa.
Oct. 7—Lorin E. Oxley, West Liberty, Iowa, and F. D. Smylie, Columbus Junction, Iowa.
Oct. 8—E. R. Brenneman, Winfield, Iowa.
Oct. 8—Freuhauf Farms, Cedar Rapids, Iowa.
Oct. 10—Albert J. Larson (Night), Ayrshire, Iowa.
Oct. 12—Herman Heiar, R. 4, Dubuque, Iowa.
Oct. 12—Robin Lane Farms, Hampton, Iowa.
Oct. 13—Field & Christiansen (Night), Nora Springs, Iowa.
Oct. 15—Maurice Weitz (Night), Webster City, Ia.
Oct. 24—Matt Locatis & Sons, Fort Dodge, Iowa.
Oct. 27—(Night Sale) Roman J. Zimmerman, Harlan, Iowa; at sale pavilion.

POLAND CHINAS

Sept. 24—John Supple, Coggon, Iowa.
Oct. 1—Tom Vint, Spencer, Iowa.
Oct. 3—Man-Cry-Co. Farms, Manning, Iowa.
Oct. 6—J. A. Friday & Son, Murray, Iowa.
Oct. 6—W. C. Anderson & Son, West Liberty, Ia.
Oct. 9—El Jon Farms, Rose Hill, Iowa.
Oct. 9—J. H. Auliffather & Son, Austin, Minn.
Oct. 10—Emmert Bros., Mason City, Iowa.
Oct. 11—B. P. Anderson, Rotna, Iowa.
Oct. 11—Edw. E. Forest, Mt. Vernon, Iowa.
Oct. 12—Helgens Bros., Monticello, Iowa.
Oct. 15—L. R. McClarnon, Braddyville, Iowa.
Oct. 17—C. W. Cross, Bayard, Iowa.
Feb. 15—Nick N. Kirsch (Night Boar Sale), Carroll, Iowa.

SPOTTED POLAND CHINAS

Sept. 24—Virgil E. Walter & Son (Night), Rock Port, Mo.
Sept. 27—(Night Sale) Oscar Anastasia, Harlan, Iowa.
Oct. 1—(Night Sale) Harvey C. Larson, Elkhorn, Iowa; sale at Fair Grounds, Harlan, Iowa.
Oct. 2—C. W. Nelson (Night), Harlan, Iowa.
Oct. 2—Nelson & Paulsen, Blair, Neb.
Oct. 4—John D. Gates & Son, Ravenwood, Mo.
Oct. 4—Arnold Krahmer, Fairmont, Minn.
Oct. 6—Miles M. and Max Mann, Woodbine, Ia.
Oct. 6—Albert Klocke (Night), Manning, Iowa.
Oct. 8—Minnesota State Show and Sale, Sleepy Eye, Minn.; Floyd J. Grahn, Mgr., Willmar, Minn.
Oct. 8—Freuhauf Farms, Cedar Rapids, Iowa.
Oct. 9—Carl Hebner, Jefferson, Iowa.
Oct. 9—Albert Klocke (Night Sale), Manning, Iowa.
Oct. 9—Julius F. Roths, Rock Rapids, Iowa.
Oct. 11—(Night Sale) F. L. Jackson & Sons, Lytton, Iowa; sale at the farm.
Oct. 12—Fred F. Goodchild (Night), Mallard, Ia.
Oct. 13—Albert Kramer, Lake Lillian, Minn.
Oct. 15—A. J. Anderson & Sons (Night), Kellogg, Iowa.
Oct. 17—Earl Kellogg & Son, Winfield, Iowa.
Oct. 25—(Night Sale) Jack Zimmerman, Earling, Iowa; sale at Denison, Iowa.
Oct. 27—Clifford Pitstick, Jolley, Iowa.

HOGS—ALL BREEDS

Oct. 17—Spencer FFA Swine Improvement Assn. (Night), Spencer, Iowa; C. W. Dalbey, Mgr.

SHEEP

Sept. 14—Northwest Iowa Breeders Assn., Spencer, Iowa; Wilbur Goedicke, Secy.

Livestock News

The Francis T. Martin Hereford sale, at Carroll, Iowa, on September 1, was well attended, and he sold 54 head at an average of $170 per head. It was a very good sale, with quite a few good bargains. The 25 bulls averaged $180 a head, with a top of $325 on O. G. Domino, consigned by Ort J. Groseclose, of Cambridge, Iowa. Several of the bulls brought $200 and over. Twenty-nine females made an average of $156. There was a nice demand for commercial females in this sale, and they brought good prices. J. E. Halsey was the auctioneer in charge.

The Poland China bred sow sale of Nick N. Kirsch, at Carroll, Iowa, on the night of August 28, brought out a nice crowd, and an average of $90 was made on 32 head. He had a nice offering of sows and they were in good condition. The top was No. 25, at $170, and she went to Walter Kirby, of Batavia, N. C. There were a lot of good bargains in this sale, and the animals were certainly in nice condition.

Feeding Soft Corn

Cows or big steers can make the best use of soft corn. Next in ability to use it, in the order named, are calves, hogs and lambs.

Rationing Calendar

SUGAR—
Sugar Stamp No. 38, in Ration Book No. 4, good for 5 pounds thru December 31.

SHOES—
Airplane Stamps Nos. 1, 2, 3 and 4, in Book No. 3, are valid for 1 pair each indefinitely.

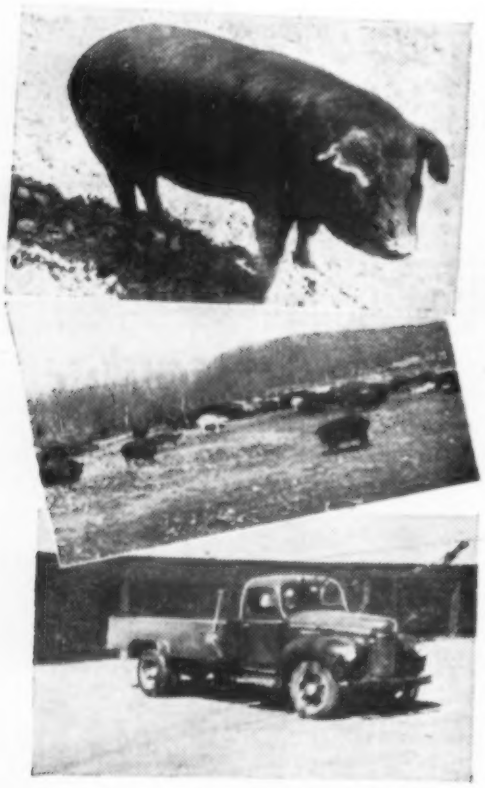
PROCESSED FOODS—
Rationing discontinued.

MEATS, CHEESE AND FATS—
Red Stamps V2 to Q1, inclusive, in Book 4, are valid. Stamps V2 to Z2 are void after September 30.

GASOLINE—
Rationing discontinued.

The Tank Truck

News from Your Conoco Agent about Lubricants, Farm Fuels, and Service



These three scenes are on the Babcock brothers' farm near Colorado Springs, Colorado.

THE GREASE VETERAN SAYS:

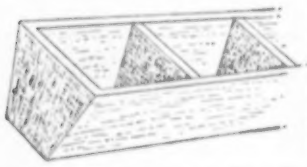
"Ran into a case not long ago of a farmer who was using a pressure-fitting grease to lubricate roller bearings on the front wheels of his tractor. A dealer had told him he guessed it ought to work, because there wasn't much pressure on the front wheel bearings. In practice, though, that lubricant packed as hard as paraffin—and the farmer wore out two sets of bearings in one year. When he came to read the manufacturer's instructions he found he should have been using a wheel-bearing grease all along. Sort of an expensive lesson!"

The Grease Veteran is right. It never pays to take casual advice, especially when it's easy to get correct information. To make it even easier, Your Conoco Agent has your FREE Conoco Tractor Lubrication Chart for you, containing manufacturer's recommendations for every part of your tractor. Call Your Conoco Agent for your FREE Tractor Chart today, and follow the manufacturer's recommendations.

$ DOLLAR-AN-IDEA $

Ideas that help to make work easier on the farm front are worth a dollar in any man's money! Send your original ideas to *The Tank Truck* in care of this paper—win $1.00 for each of your ideas printed!

Mrs. Elizabeth Look of Mosinee, Wisconsin, suggests using a hotpad and a square of sandpaper face down under the fastening screw of a meat grinder to hold it more firmly on the edge of the table.



The illustration at left shows an idea sent in by A. C. Grubble of Olney Springs, Colorado, to keep pigs from rolling in the feed trough.

At right is a sketch sent in by Miss Gloria Ludwick of Ekalaka, Montana, showing a type of brood coop made by sawing a barrel in two. Note that the saw-cut is diagonal so that the inverted tub will have enough slope to shed water. One barrel makes two of these serviceable coops.

Mrs. W. B. Ousley of Duke, Missouri, uses her washing machine to wash vegetables when canning. Only a few seconds are required to clean as much as twelve quarts of vegetables at one time.

THIS LITTLE PIG

KEEPS 15 TRUCKS AND 6 TRACTORS BUSY . . . A GOOD MOTOR OIL KEEPS THEM RUNNING!

FEEDING 2,800 hogs and 600 brood sows is a job for giants. But the Babcock brothers, whose 600 acres lie near Colorado Springs, take that job right in their stride—and feed over a hundred head of Durham cattle in the bargain.

To feed their hogs, the Babcock brothers collect and haul the garbage from the city of Colorado Springs. For this purpose they employ a fleet of fifteen trucks. In addition, six tractors are kept busy full time, farming their land to produce other feed.

Keeping a fleet of garbage trucks in condition is a job that requires the ultimate in careful maintenance. For a single day's breakdown could mean the accumulation of waste in residential neighborhoods—a serious threat to health conditions. However, the Babcock brothers have fully met these responsibilities since they first began hauling garbage in the fall of 1922. That's a good record—and it took a good motor oil to help these men achieve it!

The brothers have been using Conoco farm products for a number of years, and here's what one of them has to say about their experience: "With the aid of your Conoco tractor charts and the use of Conoco products for lubrication . . . trucks and tractors are kept in first class condition for field operations."

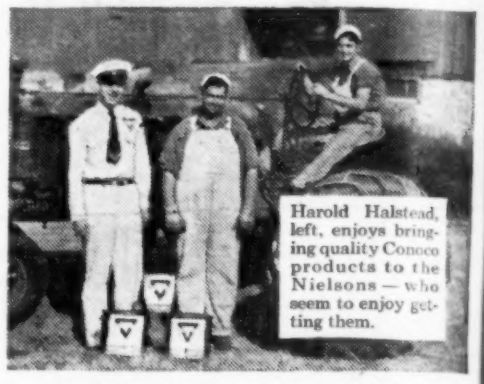
WHAT DO OTHER FARMERS SAY?

Keeping fifteen trucks and six tractors going is a big job for men and lubricants, but you well may ask, "What does it have to do with keeping an average-size farm's motorized equipment going?" Well, farmers of all kinds use Conoco products, and many of them write in to tell of their experiences. Here, for example, is a Nebraska farmer, George Schmietenknop, who farms 200 acres near the town of Hooper:

He writes: "I have been a user of Conoco products for nearly twenty years and would like to take this opportunity to tell you that during this time your products have given complete satisfaction. . . . I am very much sold on the idea that by using superior products such as Conoco, it is far the cheapest in the long run."

Another farmer, Orval Nielson, also has good words to write about Conoco products in day-to-day farming. Mr. Nielson farms 248 acres near Marion, Iowa, and feeds beef cattle as well. He has used Conoco products consistently and says in his letter, "For six consecutive years I have enjoyed absolute trouble-free lubrication. This is what I like about Conoco. . . . I have passed my good experiences on to some of my neighbors and feel I have converted them to the use of your products, especially the N*th* motor oil."

Conoco representative Fred Koyen looks up the answer to a lubrication problem posed by George Schmietenknop.



Harold Halstead, left, enjoys bringing quality Conoco products to the Nielsons — who seem to enjoy getting them.

CONOCO N*th* OIL'S EXTRAS—*THIALKENE* AND OIL-PLATING!

Now maybe it's luck coming across three farmers who find Conoco products so satisfactory for diverse types of farming, but if you will read here what a product like Conoco N*th* motor oil has to offer, we think you will begin to agree with those men who have used Conoco products.

First off, one remarkable extra ingredient that research developed for Conoco N*th* oil gives it magnet-like energy to fasten lubricant direct to fine-finished surfaces inside any engine. This OIL-PLATING is an *extra* guard against wear. While the engine runs, OIL-PLATING teams up with liquid lubricant to fight frictional wear. And N*th* oil goes farther than that, for while the engine is standing idle, OIL-PLATING doesn't all rush headlong back down to the crankcase, but tends to stay plated-up where it can protect metal from the corrosive effects of combustion acids always left in any engine.

As a second big extra, Conoco N*th* motor oil contains another special ingredient. This is known as *Thialkene inhibitor* and its job is to help retard any breakdown of the oil itself. With OIL-PLATING and *Thialkene inhibitor* both on the job day and night, your engines have a better chance in the constant fight against wear and tear.

A third feature of Conoco N*th* motor oil, and of all other Conoco products, is that you can get them so easily. All you have to do is call Your Conoco Agent. Just as soon as he's making a trip out your way he'll stop with your supply of Conoco N*th* motor oil and other lubricants. Even if you don't need his service right away, call Your Conoco Agent soon. He'll be able to schedule deliveries better that way and he'll be sure to bring you your FREE Conoco Tractor Lubrication Chart when he comes. This is made up especially for your own make of tractor and you'll find it a valuable aid in keeping your tractor in tip-top shape. Call Your Conoco Agent soon. There's no obligation. Continental Oil Company

AT YOUR SERVICE WITH:

Conoco N*th* motor oil—Conoco HD oil
Conoco transmission oils—Conoco pressure lubricant
Conoco Pumplube, Racelube and Coglube
Conoco Sujind grease, cup grease and axle grease
Conoco Bronz-z-z gasoline—Conoco tractor fuel
Conoco diesel fuel—Conoco kerosene and distillates

CONOCO

Your Conoco Agent